

Radiation Oncology Accessory Catalog



Enhancing clinical workflow



This Radiation Oncology Accessory Catalog offers our customers a selection of key product accessories. Elekta will continue to evolve and expand this Accessory catalog by adding more and more products to support your needs.

Please review the product accessories within the catalog or view the latest product accessories at www.elekta.com/shop. Ordering product accessories is easy once you are registered on our webshop, so please register at your earliest convenience.

We look forward to providing you an easy way to view and order Radiation Oncology Product Accessories for your Treatment System.

All of our products follow an open system architecture and are available for different vendors' systems to enhance the clinical workflow of our customers.

Elekta is an international medical-technology group, providing advanced clinical solutions, comprehensive information systems, services, and patient immobilization and fixation devices for improving cancer care and the management of brain disorders.

Products and Systems offered by the Elekta Group are used in over

4,500 hospitals around the world to treat cancer with radiation therapy, diagnose and treat brain disorders, and run efficient and effective clinical practices. Elekta is the world leader in image guided and stereotactic clinical solutions for radiosurgery and radiation therapy.

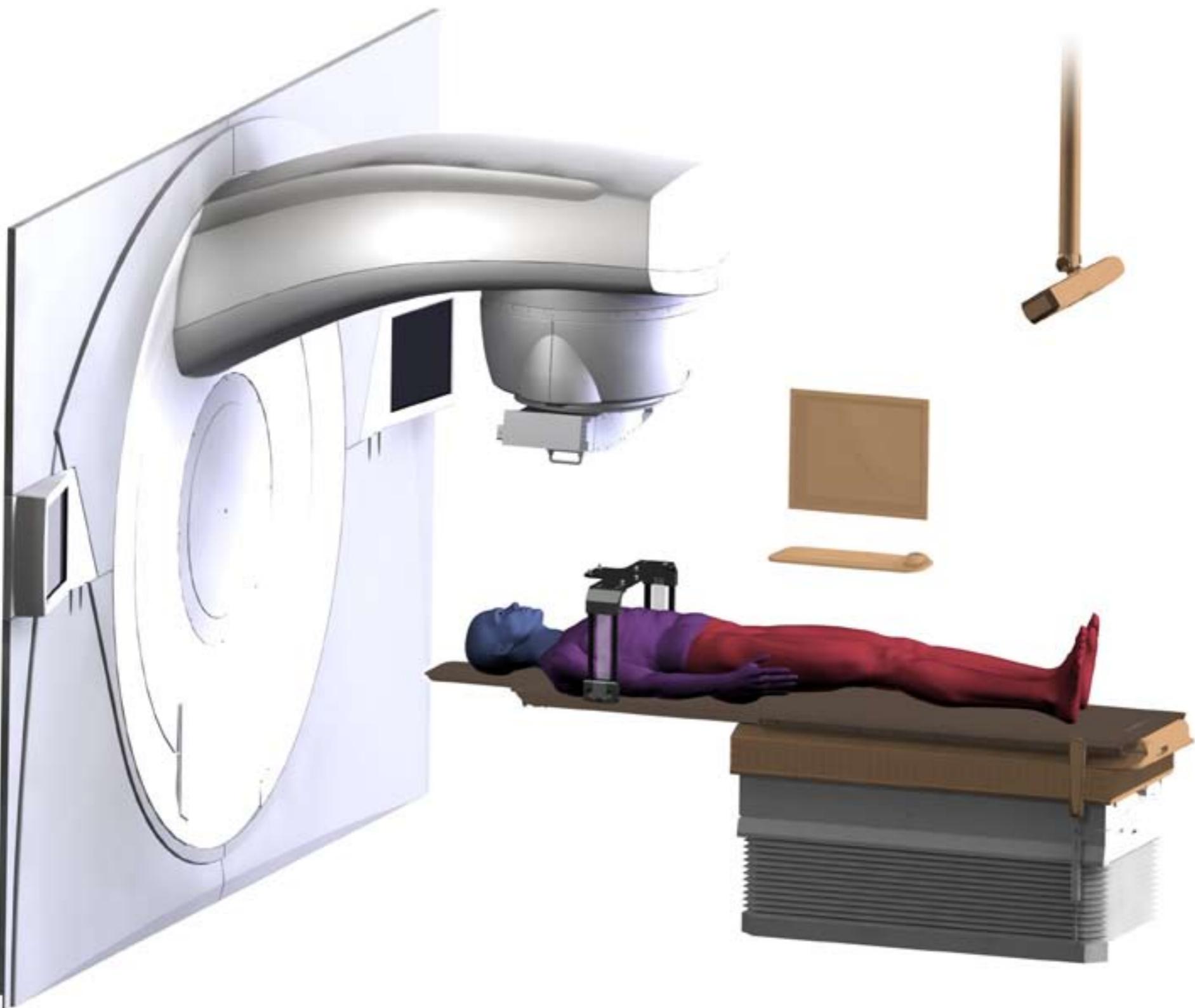
As part of Elekta's overall product portfolio we also offer a variety

of product accessories used to aid Radiation Therapists in the treatment process. Elekta continues to promote its open architecture philosophy, therefore, many of the product accessories offered by Elekta can be used on Multi-Vendor treatment systems.

The products in this catalog might not be cleared for sales in all markets. Please contact your local sales representative or sales specialist for more information.

The products and pictures stated within this catalog were valid at time of printing. Please check our homepage at www.elekta.com to view the latest products and/or product pictures or contact your local sales representative.

Please refer to www.elekta.com for legal notice and standard terms and conditions.



Robotic Positioning

12-19

Couchtops and Overlays

20-37

Head and Neck Positioning and Immobilization

38-55

Breast and Thorax Positioning and Immobilization

56-75

Hip and Pelvic Positioning and Immobilization

76-87

Miscellaneous Positioning Products

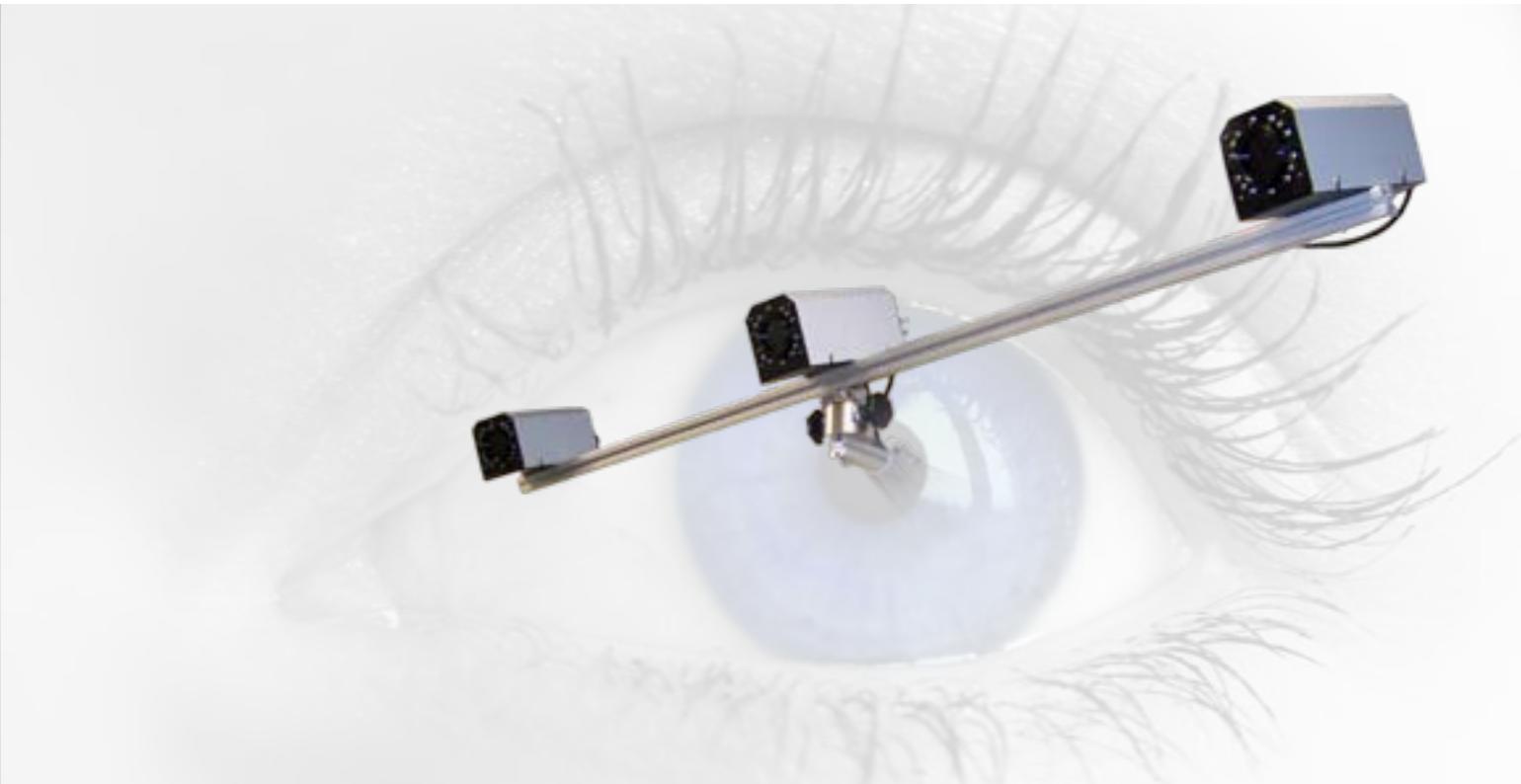
88-93

Motion Management

DynaTRAC

Active Breathing Coordinator





DynaTRAC

Precision patient monitoring

One of the biggest challenges in terms of managing dynamics in radiation therapy treatments such as IMRT, SRS, IGRT and Adaptive RT is the patient:

- The patient has to be repositioned on the treatment table according to the CT setup, often several times
- The patient moves (in-)voluntarily on the treatment table.

DynaTRAC™, an infrared based optical tracking system, enables fast, accurate and safe patient positioning and monitoring. DynaTRAC increases confidence in both inter- and intra-treatment accuracy.

Patient Positioning

This module is responsible for the calculation of the patient's coordinates based on information provided by the three cameras used to identify the positions of the patient's markers.

Current position and planned position* are compared in real time

and are presented in an intuitive and user-friendly display.

The potential deviation can be corrected (colorcoding and directional arrows make this approach safe and easy).

Patient Monitoring

A major challenge in accurate radiation therapy delivery is the potential for patient movement during the treatment fraction – especially if no immobilization or positioning devices are being used.

With DynaTRAC the user is enabled to define a tolerance-level (in mm) for potential movement. During the whole treatment DynaTRAC is monitoring the current patient position compared to the planned position. Should a deviation occur DynaTRAC immediately displays an obvious warning to the user that the patient is out of tolerance, so the user can decide if to interrupt or proceed.

* The planned position can be imported into DynaTRAC software via DICOM RT from the TPS. This optional feature requires ERGO++ Localizer Software.

Precise patient repositioning and real time position monitoring during every treatment session

Increases accuracy and precision during initial patient setup

Enables increased confidence with real time patient monitoring

Safe and intuitive software-guided patient repositioning (via color coding and arrows)

Ideal for inter- and intra-treatment repositioning



DynaTRAC

DynaTRAC – configuration



DynaTRAC System

The DynaTRAC System includes all necessary components to enable a precise patient repositioning and real-time monitoring during every treatment (see details setup on next page).

P50401-001 consisting of	DynaTRAC Workstation with pre-installed software DynaTRAC Camera System DynaTRAC Mounting Camera Bar DynaTRAC Camera Calibration Device DynaTRAC Isocenter Calibration Device DynaTRAC Patient Repositioning Spheres (10 pcs.) DynaTRAC Trolley
-----------------------------	---

DynaTRAC System for CT / Linac Room

This system is to equip a CT or a second linac with an additional DynaTRAC System.

P50401-006 consisting of	DynaTRAC Workstation with pre-installed software DynaTRAC Camera System DynaTRAC Mounting Camera Bar DynaTRAC Camera Calibration Device DynaTRAC Trolley
-----------------------------	--

ERGO⁺⁺ Localizer Software

The above configurations can optionally be equipped with the ERGO⁺⁺ Localizer Software to enable DynaTRAC software to import the planned position via DICOM RT from the TPS.

Art.-Nr. P50201-029



DynaTRAC 4 Spheres Tracker

The DynaTRAC 4 Spheres Tracker is a special localizer enabling six degrees of freedom positioning and orientation.

Art.-Nr. P50401-007



Adjustable Pendant LCD Touch Screen

The Adjustable Pendant LCD Touch Screen is an option to enable easier use of the DynaTRAC Software.

Art.-Nr. P50401-012



DynaTRAC Patient Repositioning Spheres (10 pcs.)

The Patient Repositioning Spheres are for frame-less patient positioning. The spheres are placed on the patient.



DynaTRAC Camera System

The DynaTRAC Camera System is composed of three infrared progressive-scan cameras designed to detect the spheres on the patient, the frame and the calibration tools.



DynaTRAC Workstation

The DynaTRAC Workstation comes on a trolley, and the required software is pre-installed.



DynaTRAC Camera Calibration Device

The Calibration Device is for calibrating the DynaTRAC Camera System.



DynaTRAC Isocenter Calibration Tool

The Isocenter Calibration Tool is for calibrating the isocenter and for the daily QA check.



DynaTRAC Spheres Rod Set (5 pcs.)

This is a set of spheres for stereotactic frame-based patient positioning. Set composed of retro-reflective spheres and rods, for stereotactic frames localization.

Art.-Nr. P50401-014



DynaTRAC Spheres Set (10 pcs.)

Set of spare retro-reflective spheres for the DynaTRAC tools and trackers.

Art.-Nr. P50401-013



Active Breathing Coordinator

Effective motion management

The primary aim of radiation therapy treatments is to deliver an optimal dose to the target volume whilst minimizing dose to the surrounding normal structures.

Although increasingly complex plans are being employed to achieve this clinical goal, there remain a number of challenges posed by the inaccuracies of treating patients, where tumors and critical structures are constantly moving and adapting with normal physiological functions.

Firstly the respiratory cycle of the patient results in large inaccuracies being introduced into both the planning and delivery of radiation treatment, especially in the abdominal and thoracic regions. Secondly, the anatomical positioning of critical structures relative to the target volume can be such that the prescribed dose cannot be delivered without an unacceptable volume of critical structure being irradiated, such as the heart for left-sided breast treatments.

Various methods have been designed to gain control of respiratory motion. However the best clinical solution will be able to easily cope with a number of unique clinical scenarios, such as applying simple and efficient breath holds at an applicable threshold level.

The Elekta solution for managing the challenges outlined above is Active Breathing Coordinator™.

Active Breathing Coordinator is a purpose designed solution enabling accurate and reproducible breath holds to be repeatedly applied.

It allows clinicians to pause a patient's breathing at a precisely indicated volume and co-ordinate treatment delivery, or imaging with this pause.

Active Breathing Coordinator adds precision and repeatability to the well-conceived concept of deep inspiration breath hold. The system is entirely portable, allowing it to be used in any treatment or imaging room.

Active Breathing Coordinator with simulation and/or CT simulation, provides enhanced data with which to plan more precise treatments.

Safely and reproducibly applies assisted breath-holds, responding to a number of clinical challenges

Provides improved image quality due to immobilization of patients respiratory cycle and anatomy

Can significantly reduce the cardiac volume within a left sided breast tangential field

Portable, ensuring efficient use of resources

Compatible with use in any treatment, simulation or imaging room





Active Breathing Coordinator



ABC R2.0 Full Upgrade Kit

This upgrade allows customers installed with Active Breathing Coordinator R1.02 to obtain the features included in R2.0. It consists of the following components and benefits:

Hardware

- Modified connection port on the mirror support system supports the Transducer turbine and pickup assembly and minimizes strain on the transducer cable.
- Color coding kit allows the user to identify the component parts of the respiratory system, to aid easy identification during assembly/ disassembly.
- Higher specification laptop with Windows XP, offering a more stable platform and ease of data.

Software

- Increased response time of the balloon valve, thereby improving the threshold accuracy capture.
- New user front end to allow for easier navigation and selection of control parameters.
- New record and pause functionality allowing specific selection of data captured in each session.
- New tools to allow retrospective analysis including:
 - View current session traces
 - Import up to 5 previous session traces
 - Align respiratory traces to specific breath-hold's
 - Manipulation of view, including zoom, pan and reset tools
 - Volume and time measurement tools
- New format for Session History and Output File viewing.



ABC Full System

The Active Breathing Coordinator provides all features required to implement a breath-holding technique within the clinical environment. This system is stand alone and can be easily utilized with a range of linear accelerators and CT scanners.

TRT 0361 consisting of	Control Computer with Control Software installed
	Flat Panel Patient Monitor
	CYBEX Transmitter/Receiver
	Transducer (pick-up assembly)
	Transducer (turbine)
	Balloon Valve
	Patient Control Switch
	Mirror & Mouthpiece Support System
	Mouthpiece & Filter one-time use kit (set of 40)
	ABC Cart System
	CAT 5 LAN Cable (please state required length in your order)

TRT 3701 consisting of	Mirror Support Connector with Strain Relief
	Laptop Computer with CD R/W Drive
	Coupler with Color Coding
	Release 2.0 Firmware
	Identification Color Coding Kit
	ABC Release 2.0 Software

ABC Intermediate System

The Intermediate ABC system does not include the Control Laptop and Flat Panel Patient Monitor.

TRT 0371 consisting of	ABC Controller
	Software
	CYBEX Transmitter/Receiver
	Transducer (pick-up assembly)
	Transducer (turbine)
	Balloon Valve
	Patient Control Switch
	Mirror & Mouthpiece Support System
	Mouthpiece & Filter one-time use kit (set of 40)
	ABC Cart System
	CAT 5 LAN Cable (please state required length in your order)

ABC Minimum System

The Minimum ABC system does not include the Control Laptop, Flat Panel Patient Monitor, CYBEX Transmitter/Receiver, Mouthpiece Kit (Set of 40), ABC Cart System and CAT 5 LAN cable.

TRT 0381 consisting of	ABC Control Module
	Software
	Transducer (pick-up assembly)
	Transducer (turbine)
	Balloon Valve
	Patient Control Switch
	Mirror & Mouthpiece Support System

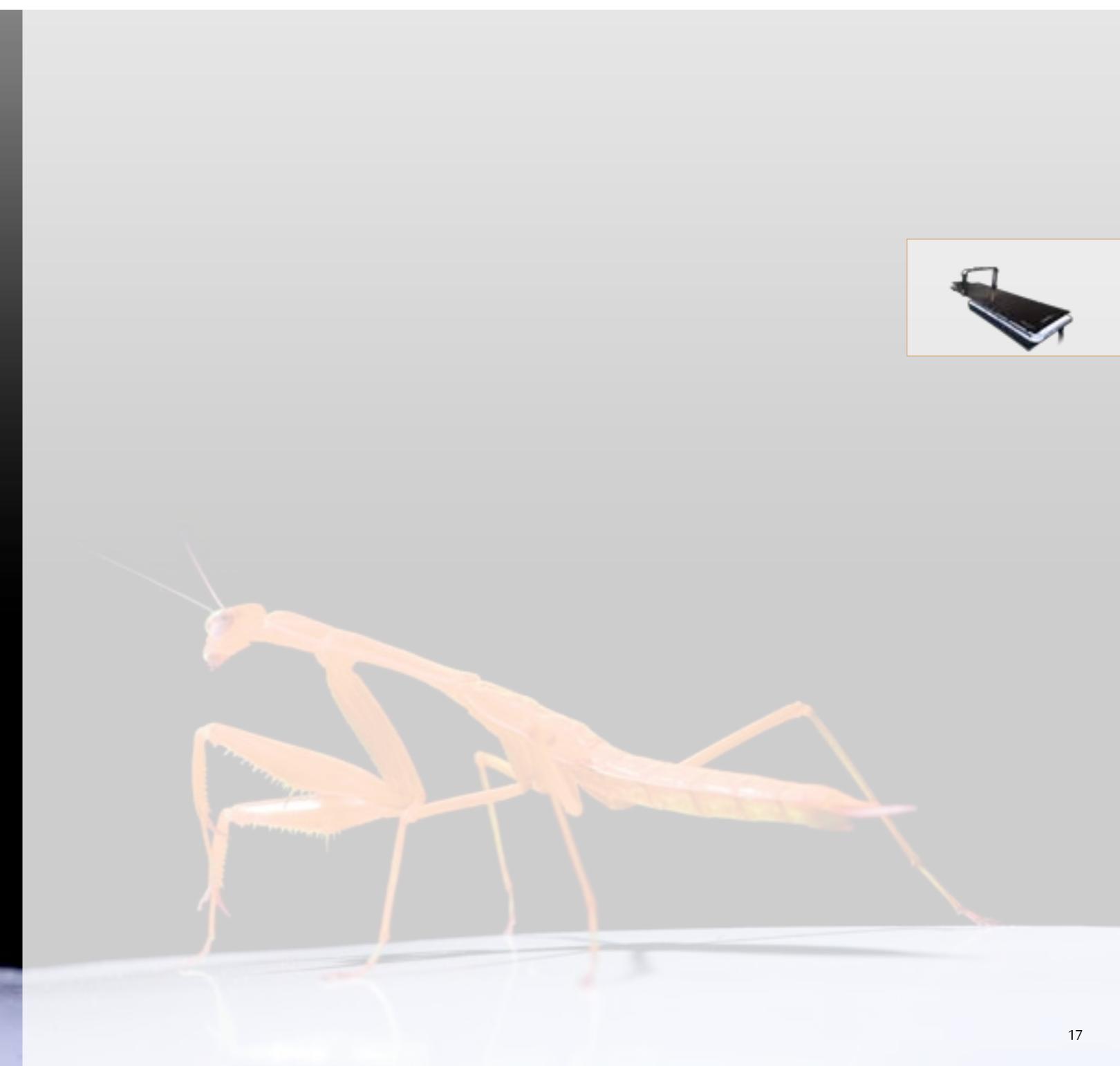
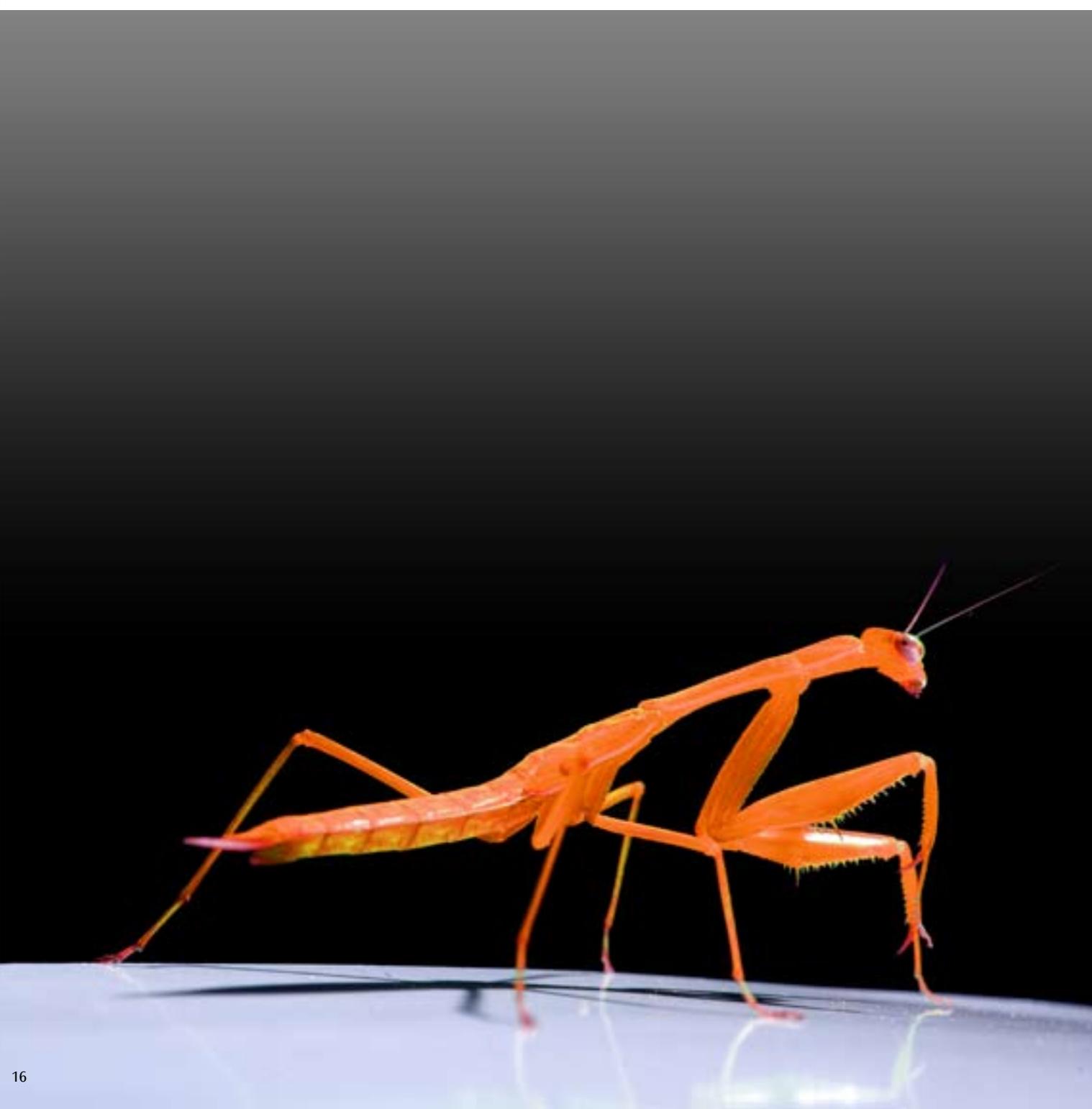
ABC R2.0 Basic Upgrade Kit

This upgrade kit does not include the laptop computer. All other components and features are the same as for the ABC R2.0 Full Upgrade Kit.

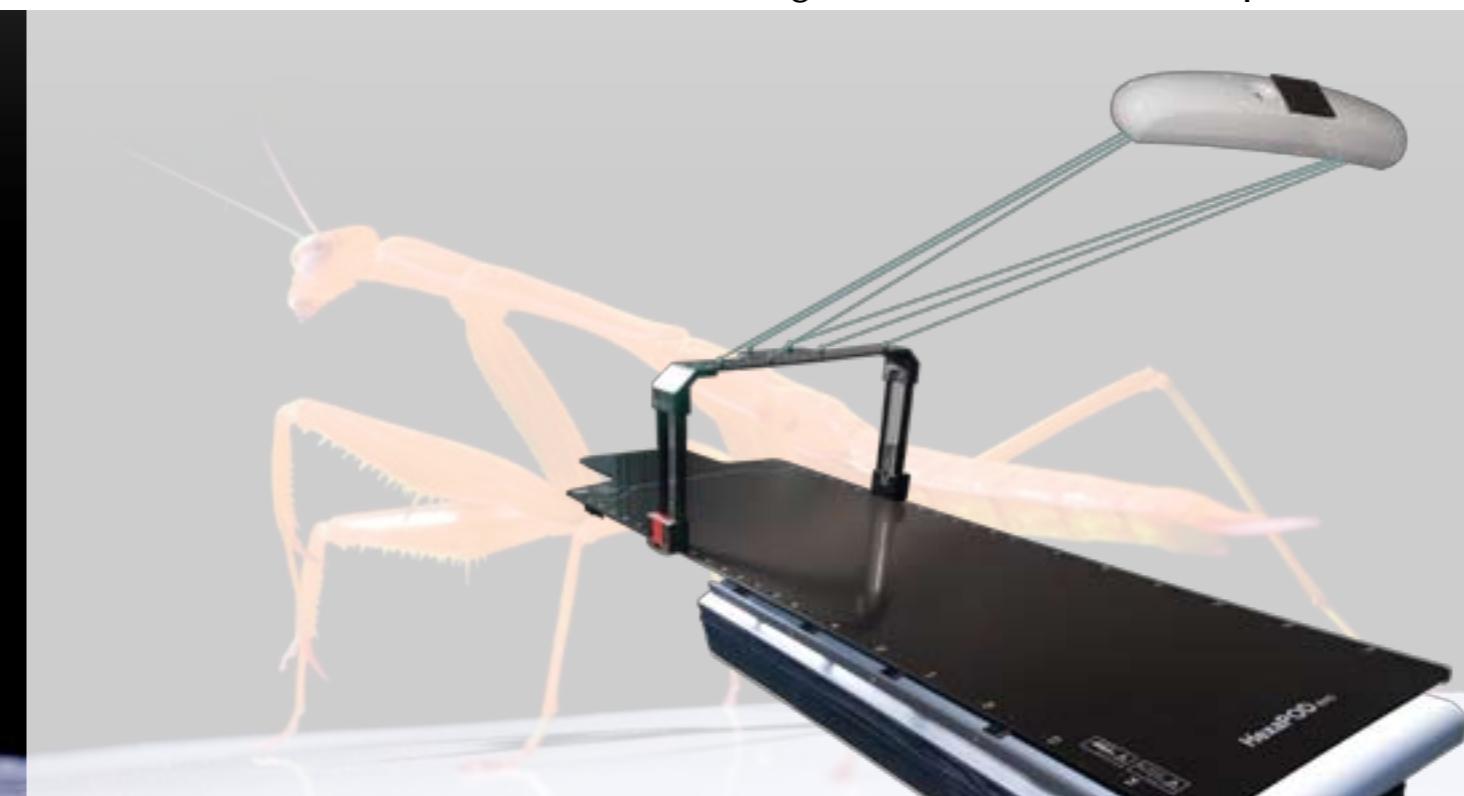
TRT 3711 consisting of	Mirror Support Connector with Strain Relief
	Coupler with Color Coding
	Release 2.0 Firmware
	Identification Color Coding Kit
	ABC Release 2.0 Software

Robotic Positioning

HexaPOD evo RT System



True six degrees of freedom in a compact format



HexaPOD evo RT System

Vision-guided patient positioning

The HexaPOD™ evo RT system is the next generation robotic patient-positioning platform with six degrees of freedom. Incorporating all the well known features of the precursor HexaPOD RT CouchTop with greatly improved patient access and clearance aperture, HexaPOD evo RT system is a true evolution in vision guided patient positioning. Further, a reduction in height of 13 cm (5,12 inches) ensures convenient loading and unloading of the patient.

The HexaPOD evo RT system guided by an infrared-camera enables sub-millimeter patient positioning accuracy in six degrees of freedom, improving clinical workflow and clinical confidence. The system corrects translational errors (x, y, z), as well as all rotational errors (roll, pitch and yaw).

Accurate and remote geometric corrections of any misalignments detected by state-of-the-art image guidance systems are enabled by the HexaPOD evo RT system,

thereby closing the gap in the 6DOF (Degrees Of Freedom) IMRT and IGRT localization and tumor targeting chain. 6DOF facilitates IGRT guided SRT by simplifying corrections for rotational misalignment and changes in anatomy.

HexaPOD evo RT CouchTop offers improved speed of movement and a newly designed handheld controller and iGUIDE® tracking system with simplified control. The tracking system is composed of the iGUIDE software and a new generation infrared camera system. The tracking system aligns the patient to the defined isocenter coordinates or to the latest coordinates entered in the software. This significantly aids patient positioning.

The new HexaPOD evo RT system further simplifies workflow by providing a physical rotation point at the tumor isocenter. The physical rotation point has been shifted longitudinal to the head end of the couchtop. This repositioning of the

rotation point also facilitates faster and easier system movements.

The newest generation of homogeneous carbon fiber couchtop, based on the iBEAM® evo Couchtop, has also been integrated into the HexaPOD evo RT system. It is completely constructed from carbon fiber, making it ideal for imaging. All fixation points for the extensions are made out of solid carbon fiber further reducing the risk of image artifacts and guaranteeing brilliant image quality for IMRT, IGRT and VMAT.

Improved patient access with lower loading and unloading height

Increased patient clearance on the linac

Computer-controlled robotic treatment couchtop

Six degrees of freedom (x, y, z, roll, pitch and yaw)

Remote positioning correction

Achieves sub-millimeter positioning accuracy with zero fiddle factor

iGUIDE graphical user interface is easy to use and self-explanatory

Specifically designed for intensity modulated radiation therapy (IMRT), image-guided radiation therapy (IGRT), stereotactic radiation therapy (SRT) and volumetric modulated arc therapy (VMAT)

Equipped with the newest generation of carbon fiber couchtop which significantly reduces appearance of artifacts



HexaPOD evo RT System

HexaPOD evo RT System – configuration



HexaPOD evo RT System

The HexaPOD evo RT CouchTop is only compatible with the iGUIDE System. The robotic couchtop can be easily connected to the Elekta Precise table. The Precise table can be ordered with the necessary integrated cables.

P10603-900 consisting of	P10603-700	HexaPOD evo RT CouchTop
		HexaPOD evo Module (with homogeneous carbon fiber couchtop)
		iGUIDE Reference Frame
		Handheld Controller
		iBEAM evo Extension H&N
		iBEAM evo Extension 650
		iBEAM Indexing Bar (set of 3)
		EnableSwitch Board
	P10603-701	iGUIDE System for HexaPOD evo
		iGUIDE Tracking System
		iGUIDE Workstation
		iGUIDE Terminal
		Universal Camera Mounting

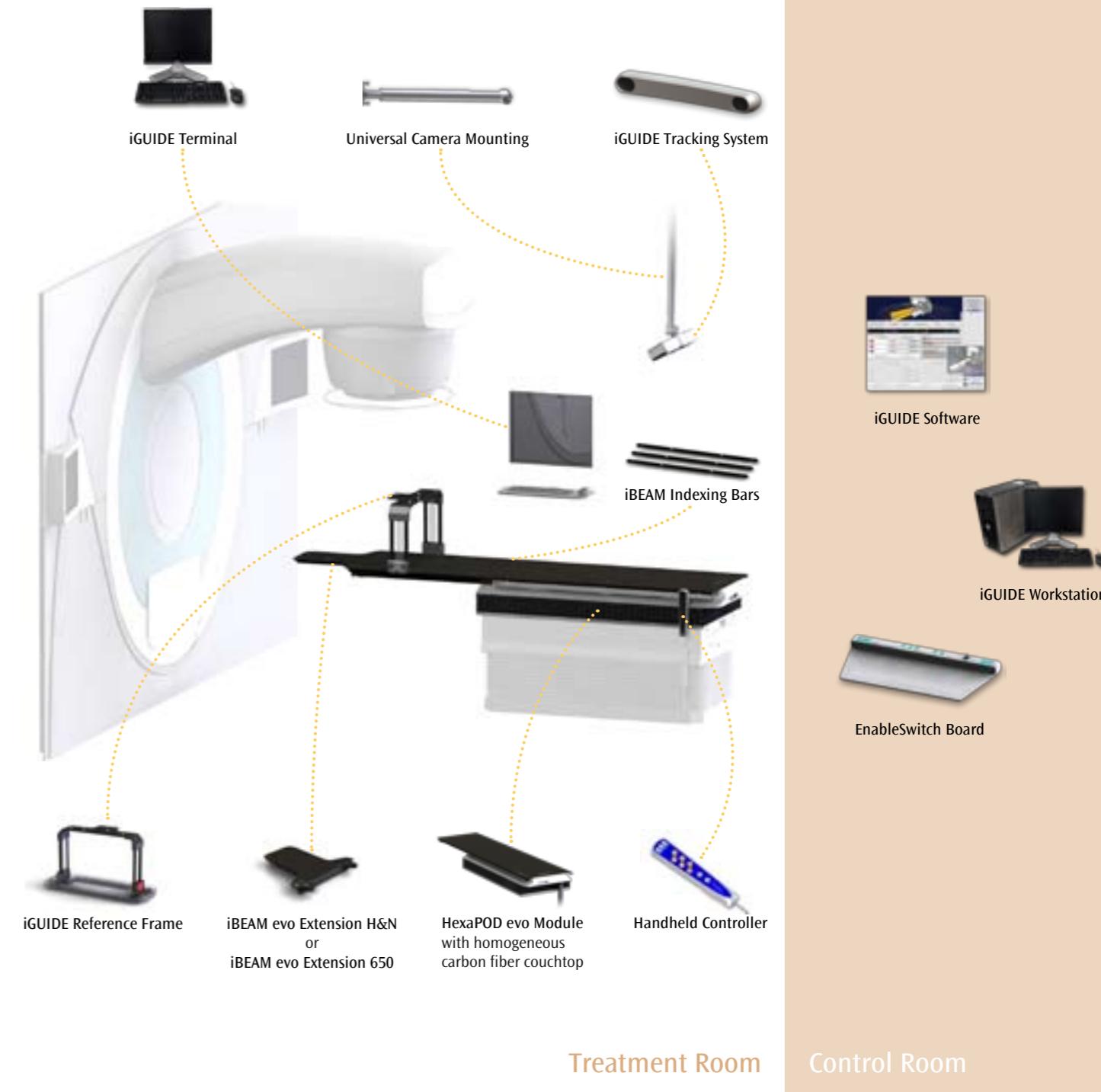
(This configuration includes all necessary cables and hardware for a complete installation.)

HexaPOD evo RT System specifications

Range of linear and angular motion	vertical ± 40 mm lateral / longitudinal ± 30 mm pitch / roll / yaw ± 3°
Resolution	0.1 mm
Moving Speed	up to 16 mm/sec linear translational movement
System accuracy (translation)	RMS: <0.5mm 95%CI: 0.5mm Max error: <1.0mm
System accuracy (rotation)	RMS: <0.1° 95%CI: 0.1° Max error: <0.2°

Couchtop specifications

Component	Attenuation @ 6 MV	Attenuation @ 10 MV
Couchtop	2.4%	1.9%
Extension 650	2.4%	1.9%
Extension H&N	1.5%	1.3%
Phantom: PMMA Field size: 9.6 x 10.4 cm SSD 95.2 cm; d = 4.8 cm PTW Multidose		



Treatment Room

Control Room

**iGUIDE Reference Frame***

The iGUIDE Reference Frame carries infrared markers which are constantly monitored by the iGUIDE Tracking System for validation of the patient position.

**Reference Frame Bottom Plate***

The Reference Frame Bottom Plates enables a safe storing of the iGUIDE Reference frame.

**iGUIDE Tracking System***

The iGUIDE Tracking System detects the position of the infrared markers on the iGUIDE Reference Frame to move the HexaPOD evo CouchTop into the exact position.

**Polaris Accuracy Assessment Kit***

The Polaris Accuracy Assessment Kit is a service tool for calibration of the iGUIDE infrared tracking system.

**iGUIDE Calibration Tool***

The iGUIDE Calibration Tool is only requested for the Set-to-work procedure and is mounted on the carbon fiber couchtop.

**Calibration Tool Position Helper***

The Calibration Tool Position Helper enables easy positioning of the calibration tool.

**iBEAM evo Extension 415**

The iBEAM evo Extension 415 is designed to support the patients head and neck region and extends off the end of the couchtop by 415 mm.

**iBEAM evo Removable Rails EP**

The removable accessory rails are positioned along the superior lateral area of the couchtop. They are designed to be simply and easily removed between treatments.

**EnableSwitch Board***

The EnableSwitch Board is located in the control room and enables the movement of the HexaPOD evo CouchTop when pushing the two "Enable" buttons.

**Handheld Controller***

The Handheld Controller enables manual positioning of the HexaPOD evo CouchTop.

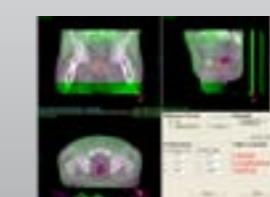
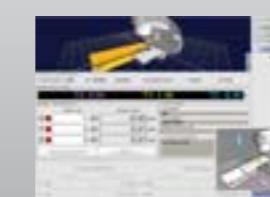
**iBEAM evo Couch Adapter**

Allows mounting of the BrainLAB Couchmount System for Varian Exact. Check compatibility with Elekta Precise PSS with your local Elekta sales representative.

**iBEAM evo ESARTE Adapter**

Allows mounting of the Elekta Esarte® Frame.

* These components can be ordered as spare parts via the service department.

HexaPOD evo RT System clinical workflow

Select the patient and treatment data on the iGUIDE software.

Position the patient on his or her specific BodyFIX BlueBAG for accurate repositioning. Then, place the reference frame over the patient.

Position the patient manually at the room isocenter for initial patient positioning; align the patient according to the skin tattoos.

The iGUIDE software performs the prescribed table offsets.

Acquire a volume image of the patient and perform the registration against the reference scan.

The iGUIDE system precisely drives the HexaPOD evo RT CouchTop to the calculated positional error correction.

The patient receives treatment.

Couchtops and Overlays

iBEAM evo Couchtop

iBEAM Couchtop

iBEAM evo CT Overlay

iBEAM CT Overlay



Future-proof for the latest RT techniques



iBEAM[®] evo Couchtop

The clear vision upgrade

The iBEAM[®] evo Couchtop is in perfect synergy with modern radiation therapy techniques, such as IMRT, IGRT and a range of imaging modalities. IGRT requires high-quality kV or MV imaging to enable optimized image registration for misalignment detection and subsequent correction.

The iBEAM evo Couchtop is the next generation couchtop for both imaging and treatment, providing outstanding *in situ* imaging quality and minimising artifacts.

Conventional couchtops offer dedicated treatment areas with relatively low attenuation. However, these often contain metal and other solid support structures that attenuate the beam creating limitations to image quality and beam angles. The iBEAM evo Couchtop unique homogenous carbon fiber sandwich design contains no metal in the treatment area and offers improved radiotranslucency with a minimized attenuation spread across the range of beam entry angles, providing the perfect solution for IMRT, VMAT and IGRT.

The improved homogenous construction of the iBEAM evo Couchtop provides high rigidity and strength, thus eliminating local patient sagging (as can occur with “tennis racket” inserts) and permitting increased patient load of 200 kg (440 lb.) with less table flex. The integrated indexing system optimizes patient positioning accuracy and reproducibility, reducing patient setup time, minimizing patient setup inaccuracies and maximizing the stability of positioning devices.

The iBEAM evo Couchtop interchangeable extensions are light, easy to attach and enable flexible patient positioning, rapid patient setup and improved clinical workflow.

The iBEAM evo Couchtop also addresses the clinical needs of intracranial and extracranial stereotactic treatments, providing a solid foundation for stereotactic hardware (e.g. Medical Intelligence BodyFIX[®] and HeadFIX[®] stereotactic frames and Elekta Esarte[®] frame).



Unique, optimized carbon fiber sandwich construction – low and homogenous beam attenuation

Outstanding image quality – perfect for kV and MV imaging at the time of treatment

No metal in the treatment area

Industry standard integrated indexing system – compatible to a wide range of existing industry standard accessories

Light and easy interchangeable extensions

Fixed rails and easy removable rails are available on the total length of the couchtop

iBEAM evo Couchtop EP can be retrofitted to Elekta Precise PSS table and iBEAM evo Couchtop product line – can also be retrofitted to other vendors' linac treatment tables



iBEAM evo Couchtop

Optimized for IGRT, IMRT and VMAT

- Low attenuation spread across the range of beam entry angles
- Minimizing imaging artifacts and providing outstanding *in situ* imaging clarity

Improved patient throughput and clinical efficiency

- Lightweight and easy to interchange extensions
- Accessory rails enable fixation of industry standard accessories such as knee/arm boards, hand grips and safety belts
- Slim design to maximize patient clearance and facilitate the use of complex and non coplanar treatment angles.

Improved patient load

- High rigidity and strength – allows for an increased patient load of 200 kg (440 lb.)

Accurate patient positioning

- Homogeneous construction provides high stability and eliminates local sagging, which can occur with traditional tennis racket inserts or foils
- Integrated indexing system enables positioning of industry standard accessories and optimizes accuracy of patient setups and reproducibility



iBEAM evo Couchtop EP

The iBEAM evo Couchtop EP is compatible to the Elekta Precise PSS.

Art.-Nr. P10105-148



iBEAM evo Couchtop CA

The iBEAM evo Couchtop CA is compatible to Siemens ZXT, Varian ETR and Nucletron Simulix table pedestals with the configuration of the respective iBEAM Couchbase Adapters.

Art.-Nr. P10105-163



iBEAM evo Couchtop VE

The iBEAM evo Couchtop VE is compatible to the Varian Exact table pedestal.

Art.-Nr. P10105-175



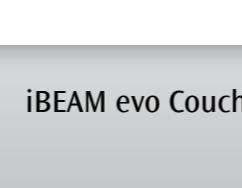
iBEAM evo Extension H&N

The iBEAM evo Extension H&N is designed to support the patient's head and neck region and extends off the end of the iBEAM evo Couchtop by 400 mm. The small profile (omega shape) optimizes the access to the treatment area, facilitating the use of complex and non coplanar beam angles.



iBEAM evo Extension 415

The iBEAM evo Extension 415 is designed to support the patient's head and neck region and extends off the end of the iBEAM evo Couchtop by 415 mm.



iBEAM evo Extension 650

The iBEAM evo Extension 650 is designed to support the patients upper body and extends off the end of the iBEAM evo Couchtop by 650 mm, thus allowing for treatment of the prostate in very tall patients.

iBEAM evo Couchtop simple steps



iBEAM evo Couchtop
quick-release mechanism with
no metal components

iBEAM evo Couchtop setups with Elekta headframes



iBEAM evo Couchtop
setup with HeadFIX
system



iBEAM evo Couchtop
setup with ELEKTA
Esarte® Frame



iBEAM evo Couchtop – basic components



iBEAM evo ESARTE Adapter

Allows mounting of the Elekta Esarte® Frame.



iBEAM evo Removable Rails EP

The removable accessory rails are positioned along the superior lateral area of the iBEAM evo Couchtop EP. They are designed to be simply and easily removed between treatments.



Couchtop Calibration Bar VE

The Couchtop Calibration Bar VE can be positioned on the surface of the couch top and integrates with the BodyFIX 14 Indexing System. The featured cross hair can be used for the couch alignment to the isocenter in longitudinal and lateral directions, according to the defined table calibration procedure of the respective couch manufacturer.



Indexing Bar MRI (Set of 3)

The Indexing Bar MRI is designed of non conductive and non metal materials for use with the BodyFIX 14 Indexing System and allows indexing and positioning of compatible surface mounted accessories.



iBEAM evo Couch Adapter

Allows mounting of the BrainLAB Couchmount System for Varian Exact. Check compatibility with Elekta Precise PSS with your local Elekta sales representative.



iBEAM evo Removable Rails VE

The removable accessory rails are positioned along the superior lateral area of the iBEAM evo Couchtop VE. They are designed to be simply and easily removed between treatments.



iBEAM Indexing Bar (Set of 3)

The iBEAM Indexing Bar is designed for the BodyFIX 14 Indexing System and allows indexing and positioning of compatible surface mounted accessories.



iBEAM evo Couchtop – configurations

iBEAM evo Couchtop EP (for Elekta Precise PSS)

P10105-711 consisting of	P10105-110	iBEAM Indexing Bar
	P10105-148	iBEAM evo Couchtop EP
	P10105-413	iBEAM evo Extension H&N

iBEAM evo Couchtop CA ETR (for Varian ETR couch)

P10105-713 consisting of	P10105-110	iBEAM Indexing Bar
	P10105-145	iBEAM Couchbase Adapter Varian ETR
	P10105-163	iBEAM evo Couchtop CA
	P10105-413	iBEAM evo Extension H&N

iBEAM evo Couchtop CA ZXT (for Siemens ZXT couch)

P10105-714 consisting of	P10105-110	iBEAM Indexing Bar
	P10105-115	iBEAM Couchbase Adapter SIEMENS ZXT
	P10105-163	iBEAM evo Couchtop CA
	P10105-413	iBEAM evo Extension H&N

iBEAM evo Couchtop for Elekta Precise

P10105-716 consisting of	P10105-110	iBEAM Indexing Bar
	P10105-148	iBEAM evo Couchtop EP
	P10105-412	iBEAM evo Extension 415
	P10105-413	iBEAM evo Extension H&N
	P10105-551	iBEAM evo Removable Rails EP

iBEAM evo Couchtop VE (for Varian Exact couch)

P10105-715 consisting of	P10105-110	iBEAM Indexing Bar
	P10105-175	iBEAM evo Couchtop VE
	P10105-412	iBEAM evo Extension 415

The iBEAM evo Couchtop is available in several configurations for several popular linacs and simulators. Please contact your account representative for further details.

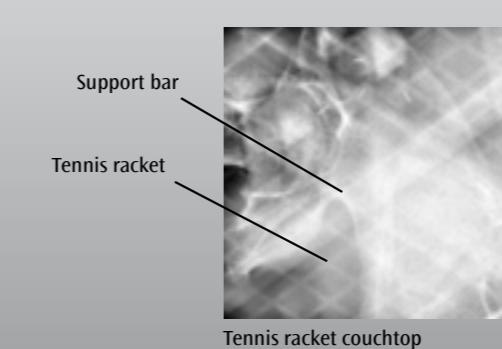


iBEAM evo Couchtop removable side rails

iBEAM evo Couchtop dosimetric properties

Component	Attenuation @ 6 MV	Attenuation @ 10 MV
iBEAM® evo Couchtop	2.4%	1.9%
iBEAM® evo Extension 650	2.4%	1.9%
iBEAM® evo Extension 415	1.5%	1.3%
iBEAM® evo Extension H&N	1.5%	1.3%
Phantom: PMMA		
Field size: 9.6 x 10.4 cm		
SSD 95.2 cm; d = 4.8 cm		
PTW Multidose		

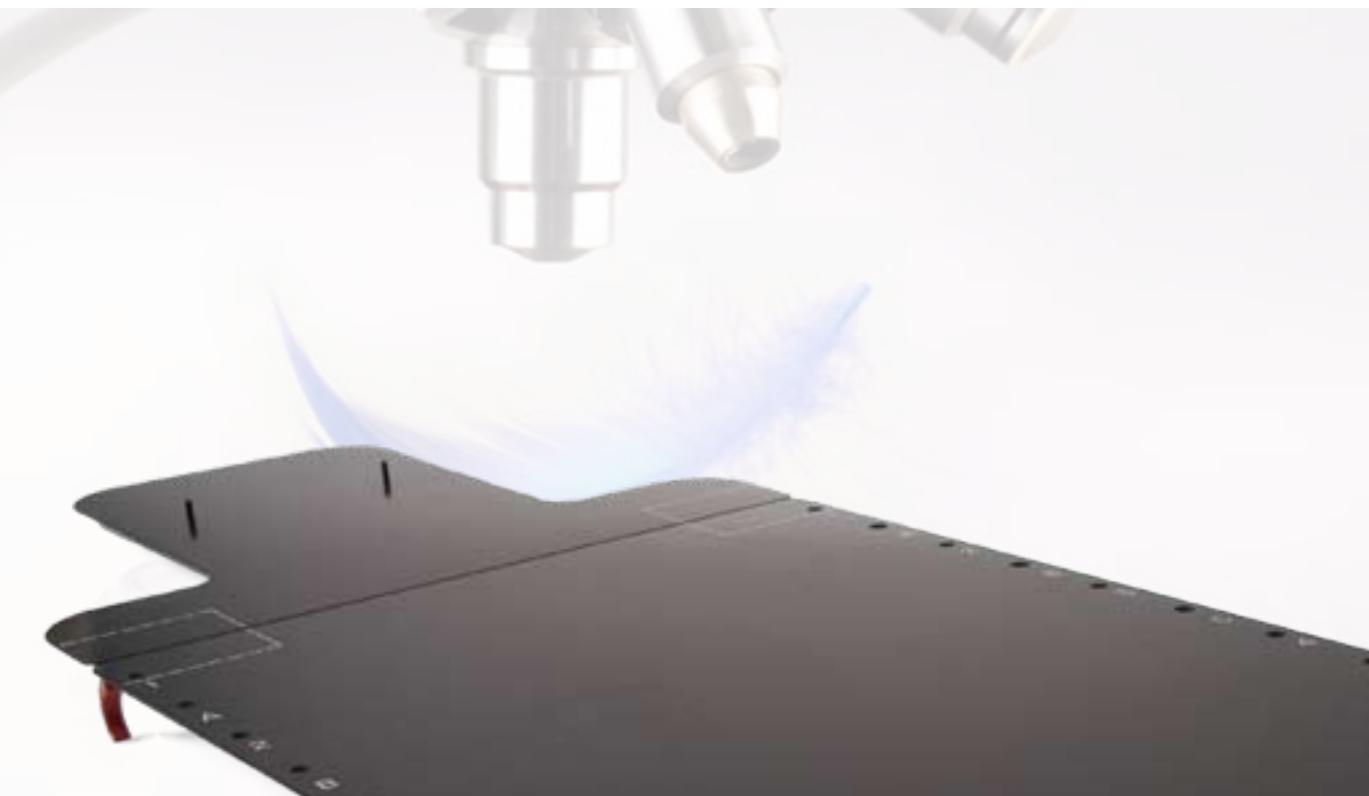
iBEAM evo Couchtop – outstanding image quality



Tennis racket couchtop



iBEAM evo Couchtop



iBEAM Couchtop

The clear vision upgrade

What you really want to see is the patient – not the couchtop. The iBEAM® Couchtop carries the patient like a petri dish, providing full transparency for *in situ* imaging. The vision is not obstructed by imaging artifacts – not for the human eye nor for advanced imaging algorithms.

The iBEAM Couchtop has been specifically designed to address the clinical needs of high reproducibility and brilliant image quality.

It has a unique and homogeneous design which minimizes image artifacts. Constructed of carbon fiber, the iBEAM Couchtop provides high stiffness, low and homogeneous beam attenuation and high radiotranslucency.

The integrated indexing system reduces patient setup time and minimizes patient setup inaccuracies and positioning device movements.

The iBEAM Indexing Bars are designed for ease of setup, and enable positioning and indexing of various Medical Intelligence and other

industry standard accessories. The adaptable extensions are light, easy to attach and enable flexible patient positioning and various clinical setups. The quick release mechanism is easy to use and minimizes setup time.

The iBEAM Head and Neck Extensions, compatible with the HeadFIX system, are an ideal support for the patient's head. The head and neck extensions' small profile (omega shape) optimizes access to the treatment area, facilitating the use of complex and non coplanar beam angles.

The iBEAM Couchtop also addresses the clinical needs for intracranial and extracranial stereotactic treatments by providing direct integration with the range of Medical Intelligence stereotactic frames.

Homogeneous carbon fiber sandwich construction

Perfect for kV and MV imaging modalities

High rigidity and strength

Industry standard indexing system duplicates patient setup from imaging to treatment procedures

Rapidly and easily adaptable extensions

Small profile for MMLC operations

iBEAM Couchtop can be retrofitted to various vendors' linac treatment tables

**iBEAM Couchtop Standard**

The iBEAM Couchtop is a carbon fiber replacement couchtop designed for most original equipment table tops of simulator and treatment machines. With its components, the iBEAM Couchtop offers a complete treatment table solution.

Art.-Nr. P10105-111

**iBEAM ESARTE Adapter**

Allows mounting of the Elekt Esarte® Frame.

Art.-Nr. P10105-138

**iBEAM Couch Adapter**

Allows mounting of the BrainLAB Couchmount System for Varian Exact. Check compatibility with Elekt Precise PSS with your local Elekt sales representative.

Art.-Nr. P10105-112

**iBEAM Couchbase Adapters**

The iBEAM Couchbase Adapter connects the iBEAM Couchtop to the couch pedestal of the respective treatment table pedestal.

Art.-Nr. P10105-114	iBEAM Couchbase Adapter VARIAN Exact
P10105-115	iBEAM Couchbase Adapter SIEMENS ZXT
P10105-116	iBEAM Couchbase Adapter ELEKTA Precise
P10105-145	iBEAM Couchbase Adapter VARIAN ETR
P10105-166	iBEAM Couchbase Adapter NSE

**Couchtop Calibration Bar VE**

The Couchtop Calibration Bar VE can be positioned on the surface of the couch top and integrates with the BodyFIX 14 Indexing System. The featured cross hair can be used for the couch alignment to the isocenter in longitudinal and lateral direction according to the defined table calibration procedure of the respective couch manufacturer.

Art.-Nr. P10105-155

**iBEAM Indexing Bar (Set of 3)**

The iBEAM Indexing Bar is designed for the BodyFIX 14 Indexing System and allows indexing and positioning of compatible surface mounted accessories.

Art.-Nr. P10105-110

**iBEAM H&N Extension STANDARD**

The iBEAM H&N Extension Standard is designed to support the patient's head and neck region and extends off the end of the iBEAM Couchtop by 415 mm.

Art.-Nr. P10105-410

**iBEAM H&N Extension E**

The iBEAM H&N Extension E is designed to support the patient's head and neck region and extends off the end of the iBEAM Couchtop by 400 mm.

Art.-Nr. P10105-411

**Indexing Bar MRI (Set of 3)**

The Indexing Bar MRI is designed of non conductive and non metal materials for use with the BodyFIX 14 Indexing System and allows indexing and positioning of compatible surface mounted accessories.

Art.-Nr. P10105-168

**iBEAM Spring Wedges**

The iBEAM Spring Wedges set consists of four wedges (two as spare parts) which are fitted into the locking devices of the iBEAM couchtop. Fitting the wedges into the locking devices will compensate for any possible play occurring with different extensions and adapters when the locking devices are closed.

Art.-Nr. P10105-550

**iBEAM Extension LONG**

The iBEAM Extension LONG is designed to support the patient's head and neck region and extends off the end of the iBEAM Couchtop by 415 mm.

Art.-Nr. P10105-135

**iBEAM Couch Extension STANDARD**

The iBEAM Couch Extension Standard is designed to support the patient's head and extends off the end of the iBEAM Couchtop by 230 mm.

Art.-Nr. P10105-113

The iBEAM Couchtop is available in several configurations for several popular linacs and simulators.

Please contact your account representative for further details.

iBEAM Couchtop clinical setups**iBEAM Couchtop VARIAN Exact**

P10105-703 consisting of	P10105-110	iBEAM Indexing Bar
	P10105-111	iBEAM Couchtop Standard
	P10105-114	iBEAM Couchbase Adapter VARIAN Exact
	P10105-410	iBEAM H&N Extension STANDARD
	P10105-550	iBEAM Spring Wedges

iBEAM Couchtop SIEMENS ZXT

P10105-704 consisting of	P10105-110	iBEAM Indexing Bar
	P10105-111	iBEAM Couchtop Standard
	P10105-115	iBEAM Couchbase Adapter SIEMENS ZXT
	P10105-410	iBEAM H&N Extension STANDARD
	P10105-550	iBEAM Spring Wedges

iBEAM Couchtop Elekta Precise E

P10105-708 consisting of	P10105-110	iBEAM Indexing Bar
	P10105-111	iBEAM Couchtop Standard
	P10105-116	iBEAM Couchbase Adapter ELEKTA Precise
	P10105-411	iBEAM H&N Extension E
	P10105-550	iBEAM Spring Wedges

iBEAM Couchtop Varian ETR

P10105-709 consisting of	P10105-110	iBEAM Indexing Bar
	P10105-111	iBEAM Couchtop Standard
	P10105-145	iBEAM Couchbase Adapter Varian ETR
	P10105-410	iBEAM H&N Extension STANDARD
	P10105-550	iBEAM Spring Wedges

Future-proof for the latest RT techniques



iBEAM evo CT Overlay

The clear vision upgrade

The iBEAM® evo CT Overlay facilitates new potentials for treatment planning and simulation.

The iBEAM evo CT Overlay is identical in design, geometry and dosimetric properties with the iBEAM evo Couchtop and offers the total departmental solution in combination with an iBEAM evo Couchtop (installed on the linac table).

The iBEAM evo CT Overlay rests above the plane of the original CT cradle. The digital removal of the cradle provides the capability to take into account the beam attenuation and dosimetric aspects of the iBEAM evo Couchtop in your treatment planning data set.

By utilizing the same tabletop configuration for planning and treatment, both patient position and beam modeling can be accurately represented and replicated.

The integrated indexing system optimizes patient positioning accuracy and reproducibility, reducing patient setup time, minimizing patient setup

inaccuracies further in the treatment chain and maximizing the stability of positioning devices.

The iBEAM evo interchangeable extensions are light, easy to attach and enable flexible patient positioning, rapid patient setup and improved clinical workflow throughout the oncology center.

The iBEAM evo CT Overlay also addresses the clinical needs of intracranial and extracranial stereotactic treatments, providing a solid foundation for stereotactic hardware (e.g. Medical Intelligence BodyFIX® and HeadFIX® stereotactic frames).



Equivalent geometric and dosimetric configuration to iBEAM evo Couchtop

Integrated indexing system compatible with a wide range of existing surface mounted industry standard accessories

Designed to reduce image artifacts

Most iBEAM evo extensions can be used

Quick and easy installation and removal of the iBEAM evo CT Overlay

The iBEAM evo CT Overlay is available for various vendors' CT models



From Treatment Planning to Treatment

**Designed for Treatment Planning**

- Allows accounting for the geometry and dosimetric properties of the iBEAM evo Couchtop
- Designed to minimize image artifacts

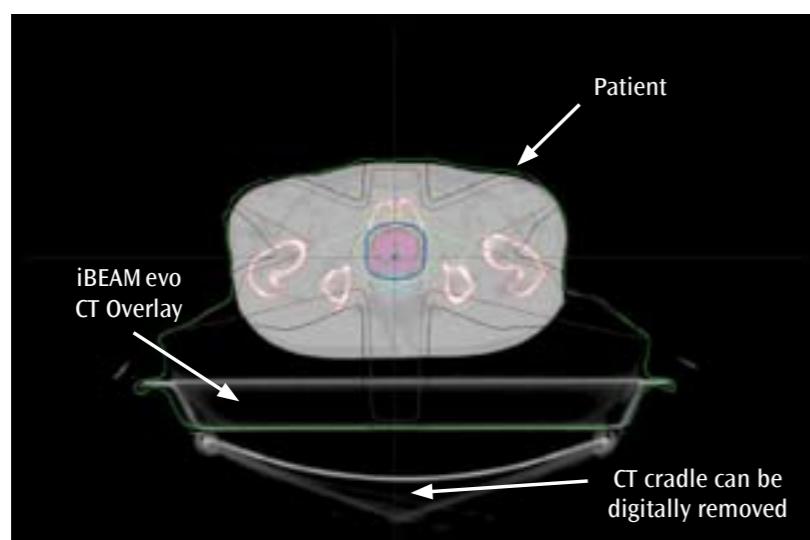
Accurate patient positioning

- Integrated indexing system enables positioning of industry standard accessories and optimizes accuracy of patient setups and reproducibility

Improved patient throughput and clinical efficiency

- Lightweight and easy interchangeable extensions

CT scan of iBEAM evo CT Overlay



iBEAM evo CT Overlay simple steps



iBEAM evo CT Overlay
quick-release mechanism with
no metal components



iBEAM evo CT Overlay

Art.-Nr.	P10105-160	iBEAM evo CT Overlay GE LS RT16
	P10105-165	iBEAM evo CT Overlay Siemens P20
	P10105-169	iBEAM evo CT Overlay Philips BCT
	P10105-171	iBEAM evo CT Overlay GE LS PU



iBEAM evo Extension H&N

The iBEAM evo Extension H&N is designed to support the patient's head and neck region and extends off the end of the iBEAM evo Couchtop by 400 mm. The small profile (megashape) optimizes the access to the treatment area, facilitating the use of complex and non coplanar beam angles.



iBEAM evo Extension 415

The iBEAM evo Extension 415 is designed to support the patients head and neck region and extends off the end of the iBEAM evo Couchtop by 415 mm.



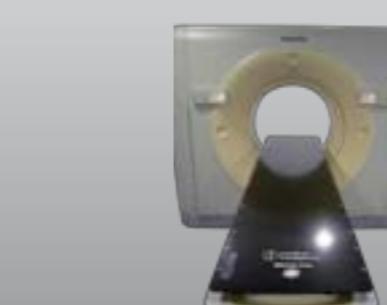
iBEAM Indexing Bar (Set of 3)

The iBEAM Indexing Bar is designed for the BodyFIX 14 Indexing System and allows indexing and positioning of compatible surface mounted accessories.



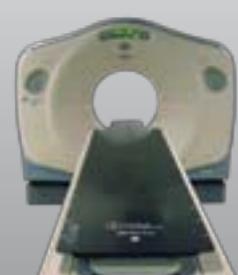
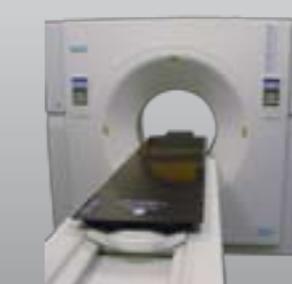
Indexing Bar MRI (Set of 3)

The Indexing Bar MRI is designed of non conductive and non metal materials for use with the BodyFIX 14 Indexing System and allows indexing and positioning of compatible surface mounted accessories.



The iBEAM evo CT Overlay is available in several configurations for several commercially available CTs. Please contact your account representative for further details.

iBEAM evo CT Overlay is available for various CT models





iBEAM CT Overlay

The clear vision upgrade

Similar to the iBEAM® evo CT Overlay the iBEAM CT Overlay is also available for combination with the iBEAM Couchtop.

The iBEAM CT Overlay facilitates new potentials for treatment planning and simulation.

The iBEAM CT Overlay is identical in design, geometry and dosimetric properties with the iBEAM Couchtop and offers the total departmental solution in combination with an iBEAM Couchtop (installed on the linac table).

The iBEAM CT Overlay rests above the plane of the original CT cradle. The digital removal of the cradle provides the capability to take into account the beam attenuation and dosimetric aspects of the iBEAM Couchtop in your treatment planning data set.

By utilizing the same tabletop configuration for planning and treatment, both patient position and beam modeling can be accurately represented and replicated.

The integrated indexing system optimizes patient positioning accuracy and reproducibility, reducing patient setup time, minimizing patient setup inaccuracies further in the treatment chain and maximizing the stability of positioning devices.

The iBEAM interchangeable extensions are light, easy to attach and enable flexible patient positioning, rapid patient setup and improved clinical workflow throughout the oncology center.

The iBEAM CT Overlay also addresses the clinical needs of intracranial and extracranial stereotactic treatments, providing a solid foundation for stereotactic hardware (e.g. Medical Intelligence BodyFIX® and HeadFIX® stereotactic frames).

iBEAM CT Overlay



Art.-Nr.
P10105-140
P10105-157
P10105-170
P10105-172

iBEAM CT Overlay Siemens Somatom Sensation Open
iBEAM CT Overlay GE Lightspeed RT16
iBEAM CT Overlay Philips BCT
iBEAM CT Overlay GE LS PU

Following iBEAM Couchtop components are compatible with the iBEAM CT Overlay:

P10105-113 iBEAM Couch Extension STANDARD
 P10105-135 iBEAM Extension LONG
 P10105-410 iBEAM H&N Extension STANDARD
 P10105-411 iBEAM H&N Extension E
 P10105-110 iBEAM Indexing Bar
 P10105-168 Indexing Bar MRI (Set of 3)
 P10105-550 iBEAM Spring Wedges

The iBEAM CT Overlay is available in several configurations for several commercially available CTs. Please contact your account representative for further details.

Head and Neck Positioning and Immobilization

HeadFIX

HeadSTEP



Back in the same place? By how much?



HeadFIX

Precision possible

Precision treatments require accurate, reproducible patient positioning and reliable immobilization.

HeadFIX® is a unique, vacuum-activated head frame system, specifically designed to overcome the drawbacks of conventional invasive fixation and non-invasive thermoplastic masks.

To achieve high-precision positioning and reproducibility, the HeadFIX system uses a mouthpiece with the patient's upper palate impression and solid vacuum bonding with the hard palate.

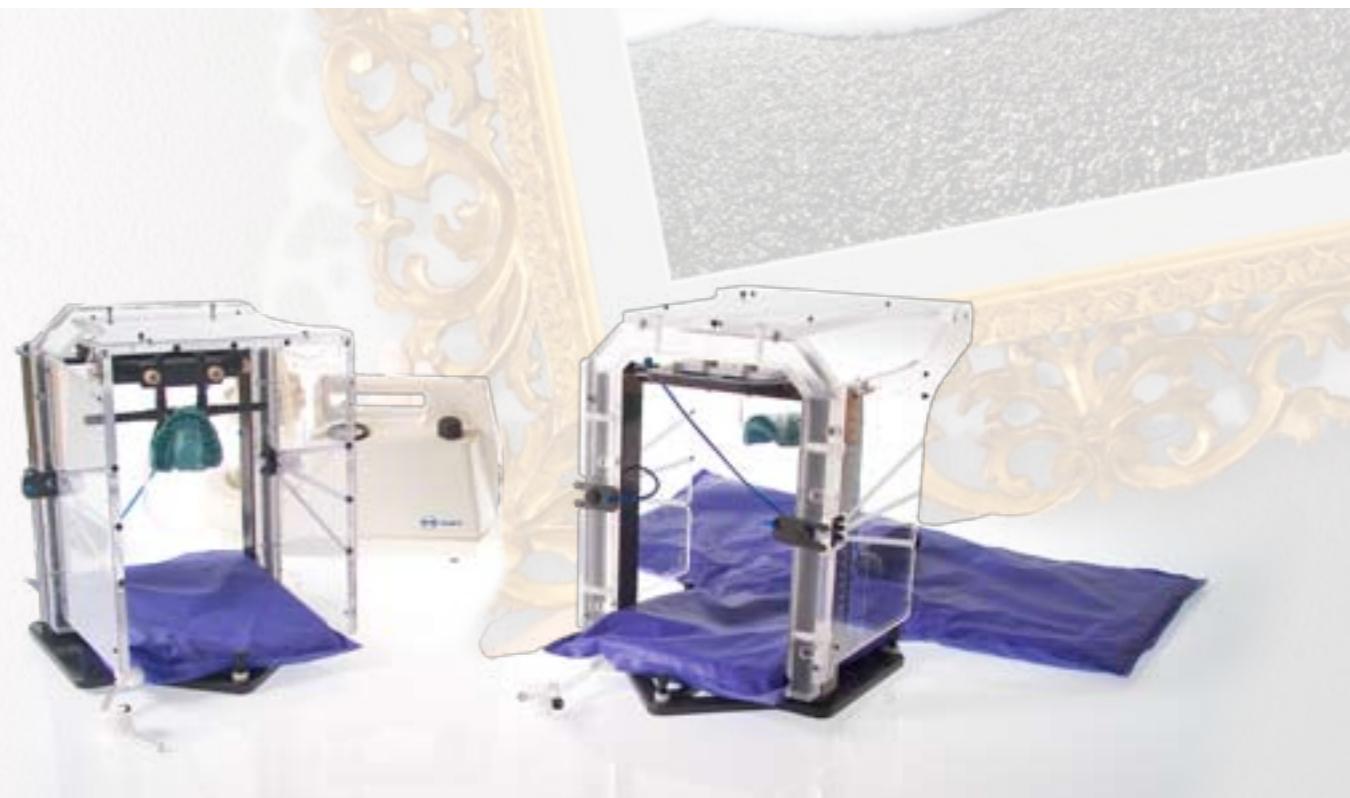
The patient-specific dental mold is quickly and easily formed, using a dental impression material and the HeadFIX Mouthpiece. The vacuum-activated mouthpiece immobilizes the patient.

The nosepiece is an alternative to the mouthpiece for toothless patients and patients with mycoses in the mouth.

HeadFIX is constructed entirely of radiotranslucent carbon fiber compatible with CT scanners, X-ray volume imaging and portal imaging. The construction ensures rigidity and reliability while restricting patient movement during both imaging and treatment.

Non-invasive stereotactic reference frames are available for both intracranial and head-and-neck regions of interest, providing precise target localization and patient setup for imaging and treatment.

The BlueBAG HeadFIX Vacuum Cushion provides additional patient comfort while ensuring cranial and head-and-neck support.



Non-invasive, stereotactic cranial/head-and-neck immobilization

Open design promotes patient comfort and confidence

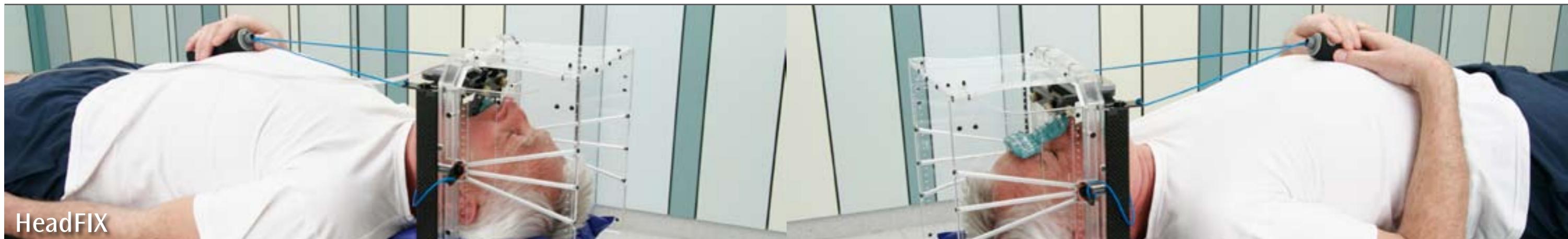
Unique vacuum technology ensures secure immobilization and reliability

Precise repeatable positioning accuracy

Does not cause skin bolus effect as known from thermoplastic mask systems

Made from radiotranslucent carbon fiber construction

Enables stereotactic and image guided radiation therapy applications



HeadFIX

HeadFIX – basic components



HeadFIX clinical setups and applications



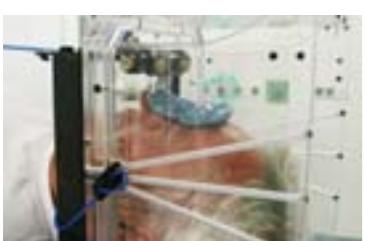
HeadFIX Cranial

The HeadFIX® Cranial features enhanced immobilization and repositioning in patient setups. The HeadFIX Cranial is specially made for various cranial treatment applications including paranasal sinus or orbital treatments.



HeadFIX Head & Neck

The HeadFIX Head & Neck features enhanced immobilization and repositioning in patient setups. The HeadFIX Head & Neck is specially designed for various head and neck treatment applications including tongue carcinoma, upper esophagus carcinoma or cervical vertebrae carcinoma.



HeadFIX with Nosepiece

The nosepiece is an alternative to the mouthpiece for toothless patients and patients with mycoses in the mouth. It offers less (re)positioning accuracy than the HeadFIX Mouthpiece. The HeadFIX Nosepiece is designed for various head and neck treatment applications.



Art.-Nr. P10103-114

HeadFIX Base Plate P2

The Base Plate is a small open carbon fiber frame. Three-point leveling screws, one at midline beyond the top of the patient's head and one lateral to each side of the patient's neck, give the ability to precisely level the system on the CT, simulation and treatment couches. The plate is attached to the diagnostic or treatment couch by two pins.



Art.-Nr. P10103-113

P10103-117

HeadFIX Post Set P2

HeadFIX Post Set P2 is a set of carbon fiber vertical support posts, available with a length of 231 mm (9.09 Inch) and 271 mm (10.67 Inch) which are attached to the base plate.

HeadFIX Post Set 271 P2

HeadFIX Post Set 231 P2



Art.-Nr. P10103-208

P10103-209

HeadFIX Angulating Fixation Set

The HeadFIX Angulating Fixation Set is for the attachment of the mouthpiece module allowing the patient to be securely affixed to the HeadFIX system and to be precisely (re-)positioned.

HeadFIX Angulating Fixation Set

HeadFIX Angulating Fixation Set long



Art.-Nr. P10103-104

HeadFIX Quick Release

For quick release from the relocatable frame.



Art.-Nr. P10103-115

HeadFIX Localizer CRANIAL P2

The HeadFIX Localizer Cranial P2 is a non-invasive stereotactic reference frame for cranial target localization. In combination with the vacuum based mouthpiece it references the immobilized patient in a precise manner in stereotactic space.



Art.-Nr. P10103-406

HeadFIX Localizer Head & Neck

The HeadFIX Localizer Head & Neck is a non-invasive stereotactic reference frame for Head & Neck target localization. In combination with the vacuum based mouthpiece it references the immobilized patient in a precise manner in stereotactic space.



Art.-Nr. P10103-105

HeadFIX Vacuum Pump 115V

P10103-106

HeadFIX Vacuum Pump

The HeadFIX Vacuum Pump is necessary when repositioning the patient with a vacuum mouthpiece based system.

**HeadFIX Independent Indexing Couchtop Adapter P2**

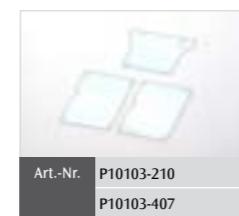
The HeadFIX Independent Indexing Couchtop Adapter P2 is used to attach the HeadFIX Base Plate to the respective tabletop.

Art.-Nr. P10103-414

HeadFIX Independent Indexing Couchtop Adapter P2

P10103-415

HeadFIX Ind. Indexing Couchtop Adapter P2 long

**HeadFIX Marking Set**

The HeadFIX Marking Sets contain marking plates for the HeadFIX Localizers. These plates assist in patient positioning and light field verification.

Art.-Nr. P10103-210

HeadFIX Marking Set Cranial P2

P10103-407

HeadFIX Marking Set Head & Neck

**HeadFIX Patient Set**

The HeadFIX Patient Sets include a standard angulating fixation set, a BlueBAG and the HeadFIX Marking Set.

Art.-Nr. P10103-211

HeadFIX Patient Set Cranial P2

P10103-410

HeadFIX Patient Set Head & Neck P2

**HeadFIX Vacuum Pump Set**

The HeadFIX Vacuum Pump Set is a tubing set including all necessary tubes for the vacuum pump.

Art.-Nr. P10103-107

**HeadFIX Mixer and Dispenser**

The HeadFIX Mixer and Dispenser enables easy filling of the mouthpiece tray with dental impression material. It is also used for dispensing the impression material for nose impressions.

Art.-Nr. P10103-109

**BlueBAG HeadFIX Rectangular**

Art.-Nr. P10104-300

BlueBAG HeadFIX Rectangular 250x350mm/1,5L

P10104-301

BlueBAG HeadFIX Rectangular 250x350mm/1,7L

P10104-302

BlueBAG HeadFIX Rectangular 250x350mm/2L

**BlueBAG HeadFIX T-Shape**

Art.-Nr. P10104-601

BlueBAG HeadFIX T-Shape 650x650mm/7L

P10104-604

BlueBAG HeadFIX T-Shape 310x400mm/2L

**HeadFIX Fiducial Set Aluminum**

The HeadFIX Localizers feature three Localizer screens specially designed for stereotactic application. Each of these Localizer screens has three slots with special plastic tubes already inserted. As an alternative to the plastic tubes, these Aluminum contrast rods allow improved visualization in CT.

Art.-Nr. P10103-215

HeadFIX Cranial P2 Fiducial Set Aluminum

P10103-216

HeadFIX Localizer H&N Fiducial Set Aluminum

**HeadFIX Storage Box**

The storage boxes are available for storing of patient-specific components.

Art.-Nr. P10103-203

HeadFIX Storage Box A4

P10103-408

HeadFIX Storage Box A3

**BlueBAG HeadFIX T-Shape with neck roll**

Art.-Nr. P10104-605

BlueBAG HeadFIX T-Shape 850x800mm/16,5L

HeadFIX Torque Wrench

The HeadFIX Torque Wrench is used to tighten the glasfibre screws of the Angulating Fixation Set.

Art.-Nr. P10103-118



Set up the HeadFIX Base Plate on the table top.



Position the HeadFIX Vacuum Cushion between the posts and index it to the base plate.



Carefully place the patient's head on the vacuum cushion, insert the mouthpiece into the patient's mouth and mold the vacuum cushion around the back of the patient's head.



Set up the stereotactic frame and lock the quick-release clips.

BlueBAG HeadFIX T-shape with neck roll

The integrated, yet freely movable neck roll allows the formation of a very stable, optimized mold of the patient's head and neck contours. The neck roll becomes rigid during evacuation of the cushion and is made of the same filling material as the vacuum cushion.

The custom-formed vacuum cushion provides comfortable support for the head and neck as well as for the shoulders.



HeadFIX Dental Impression Material
The HeadFIX Dental Impression Material contains four tubes of dental impression material for generating the mouthpiece and nosepiece impressions.

Art.-Nr. P10103-308

**HeadFIX Adhesive**

HeadFIX Adhesive is used to coat the inner side of the impression tray lightly for optimal adhesion between the dental impression material and the mouthpiece.

Art.-Nr. P10103-310



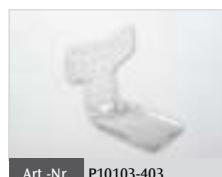
HeadFIX Saliva Stop (10 pcs.)
HeadFIX Saliva Stop is connected between the vacuum pump and the mouthpiece preventing saliva from reaching the vacuum pump.

Art.-Nr. P10103-309

**HeadFIX Friction Plates (Set of 20)**

Friction plates are used with the HeadFIX Angulating Fixation Set and must be removed after the patient treatment cycle.

Art.-Nr. P10103-506



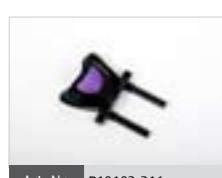
HeadFIX Nosepiece (5 pcs.)
The HeadFIX Nosepiece set contains five nosepieces for assuring safe immobilization and precise repositioning of the head and neck by the nose of the patient. The nosepiece is affixed to the HeadFIX Angulating Fixation Set.

Art.-Nr. P10103-403

**HeadFIX Nosepiece Hygienic Cover**

The HeadFIX Nosepiece Hygienic Cover is a foil which is used when the nasal impression is made on the patient.

Art.-Nr. P10103-404



HeadFIX Mouthpiece
The mouthpiece is affixed to the HeadFIX Angulating Fixation Set assuring safe immobilization and precise (re-) positioning.

Art.-Nr. P10103-311	HeadFIX Mouthpiece Small P2 (10 pcs.)
P10103-312	HeadFIX Mouthpiece X-large P2 (10 pcs.)
P10103-313	HeadFIX Mouthpiece Mixed Size P2 (10 pcs.)
P10103-601	HeadFIX Mouthpiece Mixed Sizes (10 pcs.)
P10103-602	HeadFIX Mouthpiece Small (10 pcs.)
P10103-603	HeadFIX Mouthpiece Medium (10 pcs.)
P10103-604	HeadFIX Mouthpiece Large (10 pcs.)



Pump Filters (10 pcs.)
Disposable bacteria filter for Medela HeadFIX Pump.

Art.-Nr. P10103-512

HeadFIX Base Set P2 115V

P10103-750 consisting of	P10103-104	HeadFIX Quick Release
	P10103-105	HeadFIX Vacuum Pump 115V
	P10103-107	HeadFIX Vacuum Pump Set
	P10103-108	HeadFIX User Manual
	P10103-109	HeadFIX Mixer and Dispenser
	P10103-110	HeadFIX Allen Wrench
	P10103-113	HeadFIX Post Set 271 P2
	P10103-114	HeadFIX Base Plate P2

HeadFIX Base Set P2 230V

P10103-751 consisting of	P10103-104	HeadFIX Quick Release
	P10103-106	HeadFIX Vacuum Pump 230V
	P10103-107	HeadFIX Vacuum Pump Set
	P10103-108	HeadFIX User Manual
	P10103-109	HeadFIX Mixer and Dispenser
	P10103-110	HeadFIX Allen Wrench
	P10103-113	HeadFIX Post Set 271 P2
	P10103-114	HeadFIX Base Plate P2

HeadFIX Localization Set Cranial P2

P10103-752 consisting of	P10102-105	Localizer Syringe Set
	P10103-115	HeadFIX Localizer CRANIAL P2

HeadFIX Localization Set Head & Neck

P10103-753 consisting of	P10102-105	Localizer Syringe Set
	P10103-406	HeadFIX Localizer HEAD&NECK

HeadFIX Mouthpiece Kit Mixed Size Regular Tray

P10103-754 consisting of	P10103-308	HeadFIX Dental Impression Material
	P10103-309	HeadFIX Saliva Stop (10 pcs.)
	P10103-310	HeadFIX Adhesive
	P10103-601	HeadFIX Mouthpiece Mixed Sizes (10 pcs.)

HeadFIX Mouthpiece Kit Small Regular Tray with Sidebars

P10103-755 consisting of	P10103-308	HeadFIX Dental Impression Material
	P10103-309	HeadFIX Saliva Stop (10 pcs.)
	P10103-310	HeadFIX Adhesive
	P10103-602	HeadFIX Mouthpiece Small (10 pcs.)

HeadFIX positioning accuracy

HeadFIX Mouthpiece immobilization

Adult patients
(Innsbruck
University,
Sweeney R.A.J.)

Craniocaudal mean accuracy of
 0.73 ± 0.45 mm
Anteroposterior of 0.62 ± 0.44 mm
Mediolateral of 0.47 ± 0.33 mm
Repositioning accuracy of
 0.96 ± 0.41 mm

Pediatric patients
(Children's Hospital
Los Angeles, Olch A,
J., Lavey R.)

Mean deviation in any one direction of
0.8–1.2 mm
Mean 3D deviation of 1.8 ± 0.6 mm



HeadFIX – kits

HeadFIX Mouthpiece Kit Medium Regular Tray no Sidebars

P10103-756 consisting of	P10103-308	HeadFIX Dental Impression Material
	P10103-309	HeadFIX Saliva Stop (10 pcs.)
	P10103-310	HeadFIX Adhesive
	P10103-603	HeadFIX Mouthpiece Medium (10 pcs.)

HeadFIX Mouthpiece Kit Large Regular Tray with Sidebars

P10103-757 consisting of	P10103-308	HeadFIX Dental Impression Material
	P10103-309	HeadFIX Saliva Stop (10 pcs.)
	P10103-310	HeadFIX Adhesive
	P10103-604	HeadFIX Mouthpiece Large (10 pcs.)

HeadFIX Nosepiece Set

P10103-760 consisting of	P10103-308	HeadFIX Dental Impression Material
	P10103-403	HeadFIX Nosepiece (5 pcs.)
	P10103-404	HeadFIX Nosepiece Hygienic Cover

HeadFIX Mouthpiece Kit X-large P2 wide tray

P10103-762 consisting of	P10103-308	HeadFIX Dental Impression Material
	P10103-309	HeadFIX Saliva Stop (10 pcs.)
	P10103-310	HeadFIX Adhesive
	P10103-312	HeadFIX Mouthpiece X-large P2 (10 pcs.)

HeadFIX Mouthpiece Kit Small P2 wide tray

P10103-761 consisting of	P10103-308	HeadFIX Dental Impression Material
	P10103-309	HeadFIX Saliva Stop (10 pcs.)
	P10103-310	HeadFIX Adhesive
	P10103-311	HeadFIX Mouthpiece Small P2 (10 pcs.)

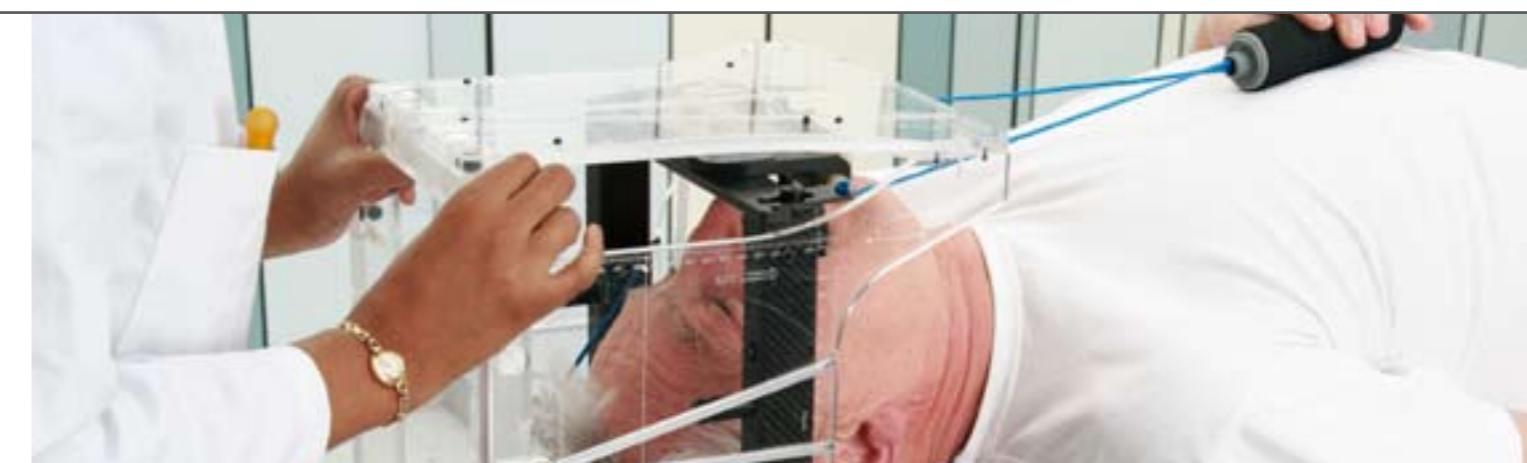
HeadFIX Mouthpiece Kit mixed sizes P2 wide tray

P10103-763 consisting of	P10103-308	HeadFIX Dental Impression Material
	P10103-309	HeadFIX Saliva Stop (10 pcs.)
	P10103-310	HeadFIX Adhesive
	P10103-313	HeadFIX Mouthpiece Mixed Size P2 (10 pcs.)

Patented mouthpiece immobilization



Reposition accuracy of bite block based systems was never as excellent as expected. The problem therefore with bite block based systems was mainly the difficulty in establishing an objective, identical and reproducible connection of the impression tray to the upper palate. The key feature of the HeadFIX system is its Mouthpiece with the patient's upper palate impression. The custom formed Mouthpiece is drawn to the patient's maxilla using a vacuum process. It is fixed without the active cooperation of the patient, and control of the vacuum pressure ensures adequate immobilization and accurate repositioning.



HeadFIX – configurations

HeadFIX System Cranial 120 V

P10103-700 consisting of	P10103-211	HeadFIX Patient Set CRANIAL P2
	P10103-414	HeadFIX Independent Indexing Couchtop Adapter P2
	P10103-507	HeadFIX Spare Parts Set P2
	P10103-508	HeadFIX Screw Set P2
	P10103-750	HeadFIX Base Set P2 115V
	P10103-752	HeadFIX Localization Set Cranial P2
	P10103-754	HeadFIX Mouthpiece Kit Mixed Size Regular Tray

HeadFIX System Cranial 230 V

P10103-701 consisting of	P10103-211	HeadFIX Patient Set CRANIAL P2
	P10103-414	HeadFIX Independent Indexing Couchtop Adapter P2
	P10103-507	HeadFIX Spare Parts Set P2
	P10103-508	HeadFIX Screw Set P2
	P10103-751	HeadFIX Base Set P2 230V
	P10103-752	HeadFIX Localization Set Cranial P2
	P10103-754	HeadFIX Mouthpiece Kit Mixed Size Regular Tray

HeadFIX System Head & Neck 120 V

P10103-702 consisting of	P10103-410	HeadFIX Patient Set HEAD&NECK P2
	P10103-414	HeadFIX Independent Indexing Couchtop Adapter P2
	P10103-507	HeadFIX Spare Parts Set P2
	P10103-508	HeadFIX Screw Set P2
	P10103-750	HeadFIX Base Set P2 115V
	P10103-753	HeadFIX Localization Set Head & Neck
	P10103-754	HeadFIX Mouthpiece Kit Mixed Size Regular Tray

HeadFIX System Head & Neck 230 V

P10103-703 consisting of	P10103-410	HeadFIX Patient Set HEAD&NECK P2
	P10103-414	HeadFIX Independent Indexing Couchtop Adapter P2
	P10103-507	HeadFIX Spare Parts Set P2
	P10103-508	HeadFIX Screw Set P2
	P10103-751	HeadFIX Base Set P2 230V
	P10103-753	HeadFIX Localization Set Head & Neck
	P10103-754	HeadFIX Mouthpiece Kit Mixed Size Regular Tray

HeadFIX System 120 V Cranial / Head & Neck

P10103-704 consisting of	P10103-211	HeadFIX Patient Set CRANIAL P2
	P10103-410	HeadFIX Patient Set HEAD&NECK P2
	P10103-414	HeadFIX Independent Indexing Couchtop Adapter P2
	P10103-507	HeadFIX Spare Parts Set P2
	P10103-508	HeadFIX Screw Set P2
	P10103-750	HeadFIX Base Set P2 115V
	P10103-752	HeadFIX Localization Set Cranial P2
	P10103-753	HeadFIX Localization Set Head & Neck
	P10103-754	HeadFIX Mouthpiece Kit Mixed Size Regular Tray

HeadFIX System 230 V Cranial / Head & Neck

P10103-705 consisting of	P10103-211	HeadFIX Patient Set CRANIAL P2
	P10103-410	HeadFIX Patient Set HEAD&NECK P2
	P10103-414	HeadFIX Independent Indexing Couchtop Adapter P2
	P10103-507	HeadFIX Spare Parts Set P2
	P10103-508	HeadFIX Screw Set P2
	P10103-751	HeadFIX Base Set P2 230V
	P10103-752	HeadFIX Localization Set Cranial P2
	P10103-753	HeadFIX Localization Set Head & Neck
	P10103-754	HeadFIX Mouthpiece Kit Mixed Size Regular Tray

Back in the same place? By how much?



HeadSTEP

High precision for head and neck positioning

The HeadSTEP iFRAME based immobilization system provides one of the easiest to use devices available on the market. Its excellent robustness and quality guarantees highly precise and facile repositioning in routine cranial as well as head, neck and shoulder immobilization. The HeadSTEP system is designed to include the iCAST thermoplastic material and the disposable iFRAME.

The iFRAME allows easy molding and symmetrical pull-down by one therapist. The joint of the wing-shaped iFRAME is one of the great advantages of the system, combining the total coverage of the anterior, lateral and superior head regions with the iFRAME locked in the shaped channels, minimizing the rotation of the head in all three axes.

The low-temperature iCAST thermoplastic is available in a variety of perforation patterns. It's rigidity, resistance to shrinkage and easy molding quality is outstanding.

The HeadSTEP system uses a 23-step elevation mechanism, which permits immobilization at variable head angles without the use of wedges. It can be used on all commercially available couches and is also indexable for enhanced reproducibility.



Symmetrical pull-down

Single technician molding

Variable head angles without any wedges

iFRAME – wing profile frame with a joint

Minimizes rotation of the head in all three axes

Optimizes repositioning accuracy for fractionated treatments

Saves time and simplifies radiation therapy procedures

Integrated indexing system



HeadSTEP



HeadSTEP – basic components



HeadSTEP Carbon - Height Adjustment
The HeadSTEP system is designed for routine head and neck immobilization. Including height adjustment with 23 angles and integrated indexing system.



HeadSTEP MR glasfibre - Height Adjustment
The HeadSTEP MR glasfibre system is designed for routine head and neck immobilization in the MRI. Including height adjustment with 23.



ProneSTEP
The ProneSTEP is designed for head immobilization in prone position as an add on system for the HeadSTEP.



HeadSTEP Carbon - Flat
The HeadSTEP flat system is designed for routine head and neck immobilization.



HeadSTEP iBEAM evo Extension
The HeadSTEP iBEAM evo extension is designed for routine head and neck immobilization at the iBEAM evo Couchtop and extends off the end of the iBEAM evo couchtop. Including height adjustment with 23 angles.



Pillows
Head support cushion for supine position with centering disc. Standard and high versions are available.

Art.-Nr.	P10107-200
	P10107-201
	P10107-206

Pillow Standard black
Pillow High black
Pillow Tilt blue



HeadSTEP iBEAM Extension
The HeadSTEP iBEAM extension is designed for routine head and neck immobilization at the iBEAM Couchtop and extends off the end of the iBEAM couchtop. Including height adjustment with 23 angles.



Prone Pillow
Head support cushion for prone position with centering disc. Small and large versions are available.

Art.-Nr.	P10107-203
	P10107-204

Pillow Prone large
Pillow Prone small



Pillow Wedge
High precision wedge for HeadSTEP pillow, 10° angle.



HS Indexing Adapter
The HS indexing adapter enables the reproducible attachment of the HeadSTEP directly on a indexed CT or linac couch by using industry standard indexing bars.



HeadSTEP Shoulder Adapter
The HeadSTEP shoulder adapter is designed for routine head and shoulder immobilization as an add-on system for the HeadSTEP.



Distance Plate
2mm distance plate for HeadSTEP pillow.



HS Independent Indexing Clamp
The HS independent indexing clamp enables the reproducible attachment of the HeadSTEP directly on a non-indexed CT or linac couch.

HeadSTEP simple steps



Set the HeadSTEP System on the tabletop.



Choose the suitable position of the head out of 24 different possibilities.



Position the patient's head in the head support.



Center frame with mask material over patient's face.



Tilting slightly downward at the chin, gently and steadily press the thermoplastic down, over the patient's face, until the outer frame touches the baseplate.



Snap the frame ends in the baseplate and lock it in the back.



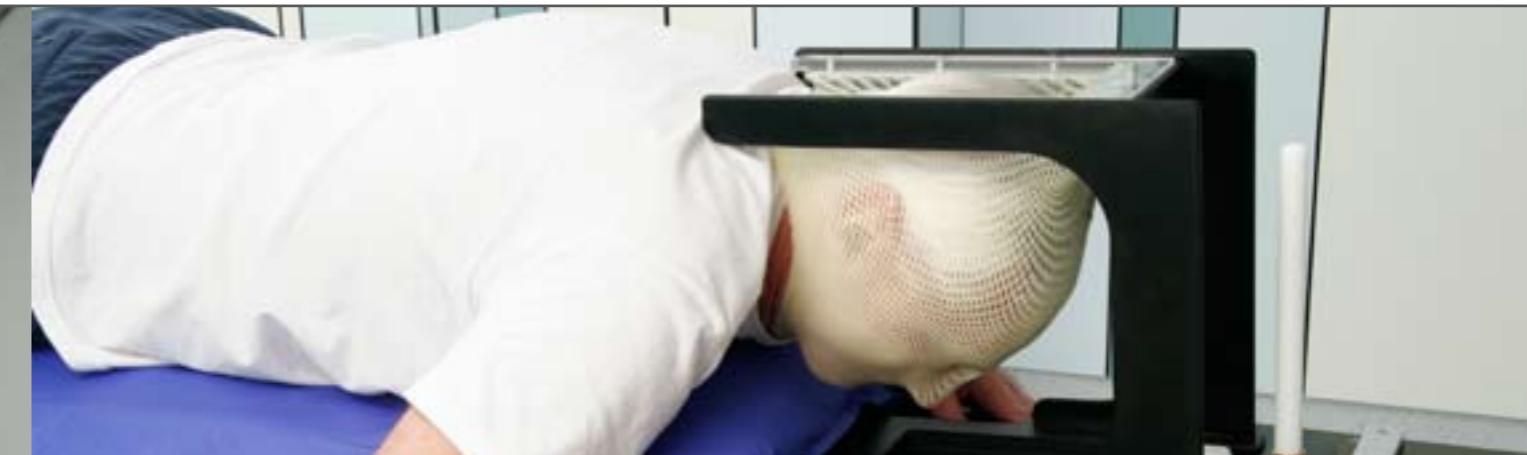
Mold mask material around the patient's contours. The molding of the nose bridge is of crucial importance, as this is the reference point during the application of the mask.



Mold closely around the chin and over the eyes, advising patient to keep the eyes closed.



HeadSTEP



HeadSTEP – disposable components



iCAST Precut Head

Mask material for head immobilization including disposable iFRAME.



iCAST Precut Head and Shoulder

Mask material for head and shoulder immobilization including disposable iFRAME.



iCAST Precut Head and Neck

Mask material for head and neck immobilization including disposable iFRAME.



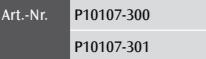
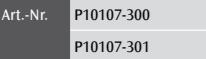
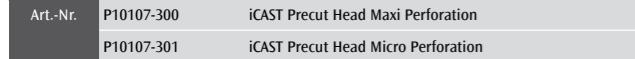
Art.-Nr. P10107-302

iCAST Precut Head and Neck Maxi Perforation



Art.-Nr. P10107-303

iCAST Precut Head and Neck Micro Perforation



HeadSTEP – configurations

System HeadSTEP Carbon

P10107-700 consisting of	P10107-100	HeadSTEP Carbon - Height Adjustment
	P10107-200	Pillow Standard black
	P10107-201	Pillow High black
	P10107-202	Pillow Wedge
	P10107-203	Pillow Prone large
	P10107-204	Pillow Prone small
	P10107-205	Distance Plate
	P10107-206	Pillow Tilt blue
	P10107-406	HS Indexing Adapter

System HeadSTEP Carbon - Flat

P10107-703 consisting of	P10107-101	HeadSTEP Carbon - Flat
	P10107-200	Pillow Standard black
	P10107-201	Pillow High black
	P10107-202	Pillow Wedge
	P10107-203	Pillow Prone large
	P10107-204	Pillow Prone small
	P10107-205	Distance Plate
	P10107-206	Pillow Tilt blue
	P10107-406	HS Indexing Adapter

System HeadSTEP iBEAM evo Extension

P10107-702 consisting of	P10107-402	HeadSTEP iBEAM evo Extension
	P10107-200	Pillow Standard black
	P10107-201	Pillow High black
	P10107-202	Pillow Wedge
	P10107-203	Pillow Prone large
	P10107-204	Pillow Prone small
	P10107-205	Distance Plate
	P10107-206	Pillow Tilt blue

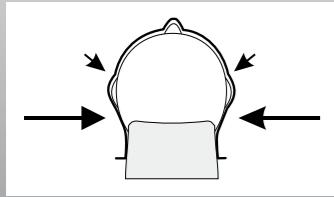
System HeadSTEP iBEAM Extension

P10107-701 consisting of	P10107-401	HeadSTEP iBEAM Extension
	P10107-200	Pillow Standard black
	P10107-201	Pillow High black
	P10107-202	Pillow Wedge
	P10107-203	Pillow Prone large
	P10107-204	Pillow Prone small
	P10107-205	Distance Plate
	P10107-206	Pillow Tilt blue

System HeadSTEP MR glasfiber

P10107-704 consisting of	P10107-400	HeadSTEP MR glasfibre - Height Adjustment
	P10107-200	Pillow Standard black
	P10107-201	Pillow High black
	P10107-202	Pillow Wedge
	P10107-203	Pillow Prone large
	P10107-204	Pillow Prone small
	P10107-205	Distance Plate
	P10107-206	Pillow Tilt blue

HeadSTEP iFRAME advantages



The iFRAME allows easy molding and symmetrical pull-down by one therapist. The joint of the wing shaped iFRAME is one of the great advantages of the system, combining the total coverage of the anterior, lateral and superior head regions with the iFRAME locked in the shaped channels, minimizing the rotation of the head in all three axes.

Breast and Thorax Positioning and Immobilization

BodyFIX

WingSTEP

BreastSTEP



Keeping still is a tough job - better take assistance



BodyFIX

Patient positioning
= treatment accuracy

Motion is a major cause of artifacts in modern imaging and errors in high-precision therapy. BodyFIX® enables accurate, precise patient positioning and immobilization, providing the foundation for successful imaging and treatment in radiation therapy.

The patented BodyFIX dual vacuum technology maximises repositioning accuracy and intra-treatment patient stability by reducing both involuntary and voluntary patient movement.

Manufactured entirely from radiotranslucent materials, BodyFIX provides artifact-free image clarity with minimal beam attenuation.

The unique cover sheet nestles around the patient and produces a uniform pressure, securely immobilizing the patient's body parts.

The immobilization system requires only one radiation therapist for first and daily patient set-up.

The BlueBAG BodyFIX Vacuum Cushions enable comfortable and reproducible patient positioning from imaging through the entire treatment process.

The BlueBAG BodyFIX Vacuum Cushions create a comfortable, stable and precise mold of the patient's position for up to six weeks. They can be used for different clinical set-ups and indications such as thorax, hip or total body.

Whenever precise localisation and targeting are required, non-invasive stereotactic reference frames are available for extracranial stereotaxy.

Non-invasive and accurate reproducible patient positioning

Dual vacuum technology provides maximum intra-treatment patient stability

Unique cover sheet securely immobilizes the patient's body parts

Preserves patient comfort

Integrated indexing system provides accurate, precise and reproducible patient set-up

Modular construction, adaptable to most clinical environments from diagnostic imaging to treatment

Compatible with CT, MRI (used with fiberglass base plate), PET/CT, SPECT and ultrasound imaging modalities as well as various tabletops



BodyFIX Stereotactic System with Localizer

The stereotactic localizer is used as a coordinate system for frame-based localization during imaging.



BodyFIX Stereotactic System with Target Positioner

The target positioner is used for orientation and target setup for frame-based stereotactic treatments.



BodyFIX BlueBAG for breast and thorax setup

The BodyFIX BlueBAG Thorax is specially designed for various treatment applications including breast, lung and abdominal tumors.



BodyFIX BlueBAG hip setup

The BodyFIX BlueBAG Hip is available for abdominal and pelvis treatment applications including prostate and cervical tumors.



BodyFIX BlueBAG total body setup

BodyFIX BlueBAG Total Body cushion offers comfortable and reproducible patient positioning for total body positioning.



BodyFIX Vacuum Pump P2

The BodyFIX Vacuum Pump P2 consists of two separate, high performance pumps. One membrane pump is used for the evacuation of air from the BlueBAG vacuum cushions and a lateral channel sealer is used to immobilize the patient with the BodyFIX system.

Art.-Nr.	P10102-110	BodyFIX Vacuum Pump P2 120V
	P10102-111	BodyFIX Vacuum Pump P2 230V



BodyFIX 14 Base Plate Stereotactic

This base plate is specially designed for using BodyFIX stereotactic on non-indexed couch tops.

Art.-Nr.	P10102-112	BodyFIX 14 Base Plate Stereotactic Standard
	P10102-113	BodyFIX 14 Base Plate Stereotactic MRI



BodyFIX Tube D27mm (length 5 m)

The BodyFIX Tube is connected between the Vacuum Pump on the one side and the Vacuum Manifold on the other side.



BodyFIX 14 Localizer STANDARD

The BodyFIX 14 Localizer STANDARD enables precise localization of the tumor isocenter. The x-,y-, z-isocenter coordinates can easily be determined with the rods of the localizer.



BodyFIX 14 Target Positioner STANDARD

The BodyFIX14 Target Positioner STANDARD enables the exact targeting of the tumor isocenter on the linac identified with the localizer on the CT.



BodyFIX Diaphragm Control

Respiration-induced motion of tumors (such as liver and lung tumors) is still a clinical challenge in modern radiotherapy. Larger margins are required to account for respiratory motion and consequently a larger volume of healthy tissue is irradiated. To increase the accuracy and efficiency for these kinds of treatments, BodyFIX Diaphragm Control has been developed to specifically minimize diaphragm movements.

BodyFIX Thorax setup



Position the BlueBAG BodyFIX vacuum cushion on the imaging or treatment table using the indexing bars.



Guide the patient's head through the hole of the thorax cover sheet.



Position the patient on top of the BlueBAG BodyFIX and place the arms on top. Ensure that the cover sheet is accurately attached to the adhesive tape.



Position the manifold tube over the patient's upper body to provide optimal distribution of airflow. Then place the manifold cushion over the patient's hip.



To ensure that the non-evacuated BlueBAG BodyFIX molds to the patient's body, firmly pull the cover sheet towards the patient.



Produce an exact mold by pressing the BlueBAG BodyFIX towards the patient and pulling the cover sheet all around the patient.

**BodyFIX Manifold Tube**

Together with the Manifold Cushion the BodyFIX Manifold Tube establishes a permanent and equal vacuum over the patient.

Art.-Nr.	P10102-210	BodyFIX Manifold Tube 1000mm
	P10102-212	BodyFIX Manifold Tube 1500mm
	P10102-213	BodyFIX Manifold Tube 2000mm

**BodyFIX Manifold Cushion**

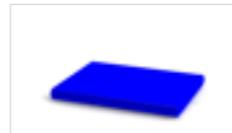
The BodyFIX Manifold cushion prevents the Cover Sheet from collapsing directly against the vacuum tube by distributing the airflow around the patient.

Art.-Nr.	P10102-200	BodyFIX Manifold Cushion 600mm
	P10102-201	BodyFIX Manifold Cushion 700mm
	P10102-202	BodyFIX Manifold Cushion 800mm
	P10102-203	BodyFIX Manifold Cushion 900mm

**BodyFIX Stabilizing Cushion**

The BodyFIX stabilizing cushion provides improved stabilization of the patient when setting up the vacuum.

Art.-Nr.	P10102-216	BodyFIX Stabilizing Cushion 800x600mm
	P10102-217	BodyFIX Stabilizing Cushion OP-PORTAL

**BodyFIX Comfort Module**

The BodyFIX Comfort Module is a cushion to place the head and upper body comfortably on the couchtop where no BlueBAG is beyond the patient's body.

Art.-Nr.	P10102-101	BodyFIX Comfort Module 500x200mm
	P10102-102	BodyFIX Comfort Module 500x400mm

**BodyFIX Independent Indexing LINAC****Couch Adapter (Set of 2)**

The BodyFIX Independent Indexing LINAC Couch Adapter enables the attachment of the BodyFIX Base Plate directly to a non-indexed linac couch to enable the use of the BodyFIX system.

**BodyFIX Indexing Adapter**

The BodyFIX Indexing Adapter enables the attachment of the BodyFIX Base Plate directly on an indexed tabletop to enable the use of the stereotactic BodyFIX system. (The indexing system must be featured over a length of 210cm.)

**BodyFIX 14 Localizer Fiducial Set Aluminum**

The BodyFIX Localizer features three Localizer screens specially designed for stereotactic application. Each of these Localizer screens has three slots with special plastic tubes already inserted. As an alternative to the plastic tubes, these aluminum contrast rods allow improved visualization in CT.

Art.-Nr.	P10102-223
----------	------------

**BodyFIX Y-Connector**

The BodyFIX Y-Connector allows the connection of two BodyFIX Manifold Tubes instead of one, for improved suction and air conduction and to provide optimum distribution of the air flow for specific Thorax setups.

**BodyFIX Localizer Syringe Set**

The Localizer Syringe Set enables injection of special substances (such as contrast medium) into the rods of the localizer to receive special receptions for the treatment planning process.

Art.-Nr.	P10102-214
----------	------------

**BodyFIX Cover Sheet HIP**

The BodyFIX Cover Sheet HIP with sleeve includes five cover sheets. The cover sheets are placed over the patient to generate the vacuum. This set is used for the BodyFIX 14 BlueBAG HIP and Total Body.

Art.-Nr.	P10102-300	BodyFIX Cover Sheet HIP 2000x1400mm
	P10102-301	BodyFIX Cover Sheet HIP PLUS 2200x1400mm
	P10102-304	BodyFIX Cover Sheet TOTAL BODY 2700x1400mm

**BodyFIX Cover Sheet THORAX**

The BodyFIX Cover Sheet THORAX with sleeve includes five cover sheets. The cover sheets are placed over the patient to generate the vacuum. This set is used for the BodyFIX 14 BlueBAG THORAX.

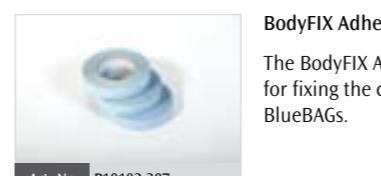
Art.-Nr.	P10102-302	BodyFIX Cover Sheet THORAX 1800x1600mm
	P10102-303	BodyFIX Cover Sheet THORAX LONG 2700x1600mm

**BodyFIX Hygienic Drape Manifold Tube (2x1500mm)**

The BodyFIX Hygienic Drape Vacuum Manifold Tube is used to cover the vacuum manifold tube for hygienic purposes.

**BodyFIX Anti Friction Sheet 1000x700mm**

The Anti Friction Sheet consists of a gel sandwiched between two foils. One sheet surface adheres to the patient, while the other foil surface adheres to the BlueBAG. The gel between the two sheets reduces the friction to a minimum enabling the patient to slide back into his or her former position.

**BodyFIX Adhesive Tape (Set of 3)**

The BodyFIX Adhesive Tape is a spare tape for fixing the cover sheet against the BodyFIX BlueBAGs.

**BodyFIX Fuses P2**

Fuses for BodyFIX Vacuum Pump P2.

Art.-Nr.	P10102-504	BodyFIX Fuses P2 120V 12.5A
	P10102-505	BodyFIX Fuses P2 230V 6.3A

BodyFIX repositioning accuracy

Innsbruck University, Nevinny-Stickel M., Sweeney RA., Bale R., Posch A., Auberger T., Lukas P.

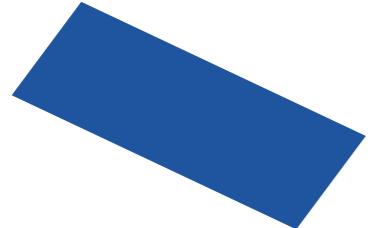
Mean 3D repositioning error:
 2.5 ± 1.1 mm

Martin Fuss, M.D., Sean X. Cavanaugh, Bill J. Salter, Ph.D., Premavathy Rassiah, Dennis Cheek, Terence S. Herman, M.D., Dept. of Radiation Oncology, University of Texas Health Science Center at San Antonio

Mean computed absolute target translation:
 2.9 ± 3.3 , 2.3 ± 2.5 , 3.2 ± 2.7 mm
in x, y and z directions

Meg Schneider, John Way, Robert Smeel, Janet Williams, Prince of Wales Hospital, Department of Radiation Oncology, Sydney, Australia

Maximum deviation of setup accuracy:
< 2 mm



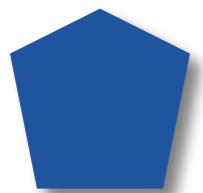
BlueBAG BodyFIX rectangular shape

P10104-806	BlueBAG BodyFIX 14 Rectangular 700x1025mm/30L
P10104-819	BlueBAG BodyFIX 14 Rectangular 700x1625mm/45L
P10104-821	BlueBAG BodyFIX 14 Rectangular 700x2325mm/65L
P10104-822	BlueBAG BodyFIX 14 Rectangular 750x1025mm/35L
P10104-823	BlueBAG BodyFIX 14 Rectangular 700x1825mm/50L
P10104-824	BlueBAG BodyFIX 14 Rectangular 700x1625mm/58L
P10104-829	BlueBAG BodyFIX 14 Rectangular 950x1225mm/45L
P10104-831	BlueBAG BodyFIX 14 Rectangular 850x1540mm/53L
P10104-837	BlueBAG BodyFIX 14 Rectangular 850x1825mm/75L
P10104-840	BlueBAG BodyFIX 14 Rectangular 900x2325mm/117L



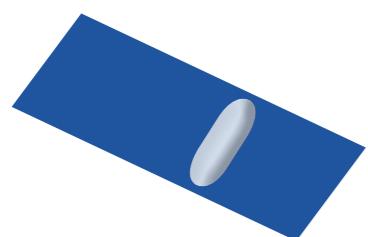
BlueBAG BodyFIX T-shape

P10104-836	BlueBAG BodyFIX 14 T-Shape 1130x1375mm/51L
P10104-839	BlueBAG BodyFIX 14 T-Shape 1280x1325mm/60L



BlueBAG BodyFIX pentagon shape

P10104-820	BlueBAG BodyFIX 14 Pentagon Shape 1050x1325mm/45L
P10104-838	BlueBAG BodyFIX 14 Pentagon-Shape 1200x1325mm/52L



BlueBAG BodyFIX with knee roll

P10104-842	BlueBAG BodyFIX 14 Rectangular / Knee Roll 700x1825mm/58L
P10104-843	BlueBAG BodyFIX 14 Rectangular / Knee Roll 850x1825mm/62L

BlueBAG BodyFIX with knee roll



The integrated, yet freely movable knee roll allows formation of a very stable, comfortable and optimized mold of the patient's contours. The knee roll becomes rigid during evacuation of the cushion and is made of the same filling material as the vacuum cushion.



BlueBAG BodyFIX rectangular shape

BodyFIX Vacuum Set P2 120V

The BodyFIX Vacuum Set P2 120V includes all necessary components to use the vacuum pump for the BodyFIX system.

P10102-750 consisting of	P10102-104	BodyFIX User Manual
	P10102-107	BodyFIX Tube D27mm (length 5 m)
	P10102-110	BodyFIX Vacuum Pump P2 120 V
	P10104-003	BlueBAG Vacuum Pump Set

BodyFIX Vacuum Set P2 230V

The BodyFIX Vacuum Set P2 230V includes all necessary components to use the vacuum pump for the BodyFIX system.

P10102-751 consisting of	P10102-104	BodyFIX User Manual
	P10102-107	BodyFIX Tube D27mm (length 5 m)
	P10102-111	BodyFIX Vacuum Pump P2 230 V
	P10104-003	BlueBAG Vacuum Pump Set

BodyFIX Basic Accessories Set

The BodyFIX Basic Accessories Set includes a stabilizing cushion 800x600 mm (31x24 Inch), a cushion OP portal 800x600 mm (31x24 Inch), a comfort cushion 500x200 mm (20x8 Inch) for the head and a comfort cushion 500x400 mm (20x16 Inch) for the upper part of the body.

P10102-754 consisting of	P10102-101	BodyFIX Comfort Module 500x200mm
	P10102-102	BodyFIX Comfort Module 500x400mm
	P10102-216	BodyFIX Stabilizing Cushion 800x600mm
	P10102-217	BodyFIX Stabilizing Cushion OP-PORTAL

BodyFIX 14 Hip Fixation Set STANDARD

This set includes all necessary components to enable patient positioning especially for treatment of the pelvis.

P10102-757 consisting of	P10102-200	BodyFIX Manifold Cushion 600mm
	P10102-202	BodyFIX Manifold Cushion 800mm
	P10102-212	BodyFIX Manifold Tube 1500mm
	P10102-214	BodyFIX Manifold Connector STANDARD
	P10104-819	BlueBAG BodyFIX 14 Rectangular 700x1625mm/45L

BodyFIX 14 Hip Fixation Set WIDE

This set includes all necessary components to enable patient positioning especially for treatment of the pelvis.

P10102-758 consisting of	P10102-200	BodyFIX Manifold Cushion 600mm
	P10102-202	BodyFIX Manifold Cushion 800mm
	P10102-212	BodyFIX Manifold Tube 1500mm
	P10102-214	BodyFIX Manifold Connector STANDARD
	P10104-824	BlueBAG BodyFIX 14 Rectangular 700x1625mm/58L

BodyFIX 14 Hip PLUS Fixation Set STANDARD

This set includes all necessary components to enable patient positioning especially for treatment of the pelvis.

P10102-761 consisting of	P10102-200	BodyFIX Manifold Cushion 600mm
	P10102-202	BodyFIX Manifold Cushion 800mm
	P10102-212	BodyFIX Manifold Tube 1500mm
	P10102-214	BodyFIX Manifold Connector STANDARD
	P10104-823	BlueBAG BodyFIX 14 Rectangular 700x1825mm/50L

BodyFIX 14 Hip PLUS Fixation Set WIDE

This set includes all necessary components to enable patient positioning especially for treatment of the pelvis.

P10102-762 consisting of	P10102-200	BodyFIX Manifold Cushion 600mm
	P10102-202	BodyFIX Manifold Cushion 800mm
	P10102-212	BodyFIX Manifold Tube 1500mm
	P10102-214	BodyFIX Manifold Connector STANDARD
	P10104-837	BlueBAG BodyFIX 14 Rectangular 850x1825mm/75L

BodyFIX 14 THORAX Pentagon Shape Fixation Set STANDARD

This set includes all necessary components to enable patient positioning especially for treatment of the thorax.

P10102-765 consisting of	P10102-200	BodyFIX Manifold Cushion 600mm
	P10102-202	BodyFIX Manifold Cushion 800mm
	P10102-210	BodyFIX Manifold Tube 1000mm
	P10102-214	BodyFIX Manifold Connector STANDARD
	P10104-820	BlueBAG BodyFIX 14 Pentagon Shape 1050x1325mm/45L

BodyFIX 14 THORAX Pentagon Shape Fixation Set WIDE

This set includes all necessary components to enable patient positioning especially for treatment of the thorax.

P10102-766 consisting of	P10102-200	BodyFIX Manifold Cushion 600mm
	P10102-202	BodyFIX Manifold Cushion 800mm
	P10102-210	BodyFIX Manifold Tube 1000mm
	P10102-214	BodyFIX Manifold Connector STANDARD
	P10104-838	BlueBAG BodyFIX 14 Pentagon-Shape 1200x1325mm/52L

BodyFIX – kits

BodyFIX 14 THORAX T-Shape Fixation Set STANDARD

This set includes all necessary components to enable patient positioning especially for treatment of the thorax.

P10102-769 consisting of	P10102-200	BodyFIX Manifold Cushion 600mm
	P10102-202	BodyFIX Manifold Cushion 800mm
	P10102-210	BodyFIX Manifold Tube 1000mm
	P10102-214	BodyFIX Manifold Connector STANDARD
	P10104-836	BlueBAG BodyFIX 14 T-Shape 1130x1325mm/51L

BodyFIX 14 TOTAL BODY Fixation Set STANDARD

This set includes all necessary components to enable patient positioning especially for total body treatment.

P10102-773 consisting of	P10102-200	BodyFIX Manifold Cushion 600mm
	P10102-202	BodyFIX Manifold Cushion 800mm
	P10102-213	BodyFIX Manifold Tube 2000mm
	P10102-214	BodyFIX Manifold Connector STANDARD
	P10104-821	BlueBAG BodyFIX 14 Rectangular 700x2325mm/65L

BodyFIX – configurations

BodyFIX 14 System STEREOTACTIC 120V

This is a system for immobilization and accurate repositioning of the patient from planning to treatment delivery, using stereotactic localizers.

P10102-728 consisting of	P10102-112	BodyFIX 14 Base Plate Stereotactic
	P10102-223	BodyFIX 14 Marking Set STANDARD
	P10102-301	BodyFIX Cover Sheet HIP PLUS 2200x1400mm
	P10102-302	BodyFIX Cover Sheet THORAX 1800x1600mm
	P10102-304	BodyFIX Cover Sheet TOTAL BODY
	P10102-305	BodyFIX Hygienic Drape Manifold Tube
	P10102-307	BodyFIX Adhesive Tape (Set of 3)
	P10102-408	BodyFIX Independent Indexing LINAC Couch Adapter (Set of 2)
	P10102-409	BodyFIX Independent Indexing CT Couch Adapter (Set of 2)
	P10102-750	BodyFIX Vacuum Set P2 120V
	P10102-753	BodyFIX 14 Stereotactic Localisation Set
	P10102-754	BodyFIX Basic Accessoires Set
	P10102-761	BodyFIX 14 HIP PLUS Fixation Set
	P10102-769	BodyFIX 14 THORAX T-Shape Fixation Set
	P10102-773	BodyFIX 14 TOTAL BODY Fixation Set
	P10102-504	BodyFIX Fuses P2 120V 12.5A
	P10105-110	iBEAM Indexing Bar

BodyFIX 14 System STEREOTACTIC 230V

This is a system for immobilization and accurate repositioning of the patient from planning to treatment delivery, using stereotactic localizers.

P10102-729 consisting of	P10102-112	BodyFIX 14 Base Plate Stereotactic
	P10102-223	BodyFIX 14 Marking Set STANDARD
	P10102-301	BodyFIX Cover Sheet HIP PLUS 2200x1400mm
	P10102-302	BodyFIX Cover Sheet THORAX 1800x1600mm
	P10102-304	BodyFIX Cover Sheet TOTAL BODY
	P10102-305	BodyFIX Hygienic Drape Manifold Tube
	P10102-307	BodyFIX Adhesive Tape (Set of 3)
	P10102-408	BodyFIX Independent Indexing LINAC Couch Adapter (Set of 2)
	P10102-409	BodyFIX Independent Indexing CT Couch Adapter (Set of 2)
	P10102-750	BodyFIX Vacuum Set P2 120V
	P10102-751	BodyFIX Vacuum Set P2 230V
	P10102-753	BodyFIX 14 Stereotactic Localisation Set
	P10102-754	BodyFIX Basic Accessoires Set
	P10102-761	BodyFIX 14 HIP PLUS Fixation Set
	P10102-769	BodyFIX 14 THORAX T-Shape Fixation Set
	P10102-773	BodyFIX 14 TOTAL BODY Fixation Set
	P10102-505	BodyFIX Fuses P2 230V 6.3A
	P10105-110	iBEAM Indexing Bar

BodyFIX Diaphragm Control workflow



Position the BodyFIX BlueBAG vacuum cushion on the imaging or treatment table using the indexing bars (prerequisite is the BodyFIX 14 indexing system).



Position the patient on the BodyFIX BlueBAG vacuum cushion.



Position the manifold tube between the patient's legs to provide optimal distribution of the air flow. Then place the manifold cushions over the patient.



Cover the patient with the cover sheet, making sure it is accurately attached with the adhesive tape and switch on the BodyFIX Vacuum Pump connected to the manifold tube.



Position the arc of the diaphragm control and the appropriate plate over the diaphragm (above the cover sheet), below the ribs.



Switch on the vacuum pump connected to the BodyFIX BlueBAG vacuum cushion to generate a vacuum and mold the cushion around the patient's contours.

BodyFIX – configurations

BodyFIX 14 System NON-STEREOTACTIC 120V

This is a system for immobilization and accurate repositioning of the patient from planning to treatment delivery. It is ideal for use with IGRT for dose escalated hypofractionated treatment delivery.

P10102-730 consisting of	P10102-112	BodyFIX 14 Base Plate Stereotactic
	P10102-301	BodyFIX Cover Sheet HIP PLUS 2200x1400mm
	P10102-302	BodyFIX Cover Sheet THORAX 1800x1600mm
	P10102-304	BodyFIX Cover Sheet TOTAL BODY
	P10102-305	BodyFIX Hygienic Drape Manifold Tube
	P10102-307	BodyFIX Adhesive Tape (Set of 3)
	P10102-408	BodyFIX Independent Indexing LINAC Couch Adapter (Set of 2)
	P10102-409	BodyFIX Independent Indexing CT Couch Adapter (Set of 2)
	P10102-750	BodyFIX Vacuum Set P2 120V
	P10102-754	BodyFIX Basic Accessoires Set
	P10102-761	BodyFIX 14 HIP PLUS Fixation Set
	P10102-769	BodyFIX 14 THORAX T-Shape Fixation Set
	P10102-773	BodyFIX 14 TOTAL BODY Fixation Set
	P10102-504	BodyFIX Fuses P2 120V 12.5A
	P10105-110	iBEAM Indexing Bar

BodyFIX 14 System NON-STEREOTACTIC 230V

This is a system for immobilization and accurate repositioning of the patient from planning to treatment delivery. It is ideal for use with IGRT for dose escalated hypofractionated treatment delivery.

P10102-731 consisting of	P10102-112	BodyFIX 14 Base Plate Stereotactic
	P10102-301	BodyFIX Cover Sheet HIP PLUS 2200x1400mm
	P10102-302	BodyFIX Cover Sheet THORAX 1800x1600mm
	P10102-304	BodyFIX Cover Sheet TOTAL BODY
	P10102-305	BodyFIX Hygienic Drape Manifold Tube
	P10102-307	BodyFIX Adhesive Tape (Set of 3)
	P10102-408	BodyFIX Independent Indexing LINAC Couch Adapter (Set of 2)
	P10102-409	BodyFIX Independent Indexing CT Couch Adapter (Set of 2)
	P10102-750	BodyFIX Vacuum Set P2 120V
	P10102-754	BodyFIX Basic Accessoires Set
	P10102-761	BodyFIX 14 HIP PLUS Fixation Set
	P10102-769	BodyFIX 14 THORAX T-Shape Fixation Set
	P10102-773	BodyFIX 14 TOTAL BODY Fixation Set
	P10102-505	BodyFIX Fuses P2 230V 6.3A
	P10105-110	iBEAM Indexing Bar

BodyFIX 14 System RT Light 120V

This is a system for immobilization and accurate repositioning of the patient from planning to treatment delivery. It is ideal for use with IGRT for dose escalated hypofractionated treatment delivery.

P10102-732 consisting of	P10102-301	BodyFIX Cover Sheet HIP PLUS 2200x1400mm
	P10102-302	BodyFIX Cover Sheet THORAX 1800x1600mm
	P10102-304	BodyFIX Cover Sheet TOTAL BODY
	P10102-305	BodyFIX Hygienic Drape Manifold Tube
	P10102-307	BodyFIX Adhesive Tape (Set of 3)
	P10102-750	BodyFIX Vacuum Set P2 120V
	P10102-754	BodyFIX Basic Accessoires Set
	P10102-761	BodyFIX 14 HIP PLUS Fixation Set
	P10102-769	BodyFIX 14 THORAX T-Shape Fixation Set
	P10102-773	BodyFIX 14 TOTAL BODY Fixation Set
	P10102-504	BodyFIX Fuses P2 120V 12.5A
	P10105-110	iBEAM Indexing Bar

BodyFIX 14 System RT Light 230V

This is a system for immobilization and accurate repositioning of the patient from planning to treatment delivery. It is ideal for use with IGRT for dose escalated hypofractionated treatment delivery.

P10102-733 consisting of	P10102-301	BodyFIX Cover Sheet HIP PLUS 2200x1400mm
	P10102-302	BodyFIX Cover Sheet THORAX 1800x1600mm
	P10102-304	BodyFIX Cover Sheet TOTAL BODY
	P10102-305	BodyFIX Hygienic Drape Manifold Tube
	P10102-307	BodyFIX Adhesive Tape (Set of 3)
	P10102-750	BodyFIX Vacuum Set P2 120V
	P10102-754	BodyFIX Basic Accessoires Set
	P10102-761	BodyFIX 14 HIP PLUS Fixation Set
	P10102-769	BodyFIX 14 THORAX T-Shape Fixation Set
	P10102-773	BodyFIX 14 TOTAL BODY Fixation Set
	P10102-505	

Keeping still is a tough job - better take assistance



WingSTEP

Patient positioning
= treatment accuracy

The WingSTEP™ enables facile positioning, precise repositioning and high patient comfort during breast and thorax treatment. With its excellent robustness and quality, this patient friendly and non-invasive positioning system is a novel device designed to improve the accuracy of radiation therapy for the breast, thorax and upper abdomen areas.

The WingSTEP comfortably positions and supports the arms above the head in supine position.

The new system allows natural movement of the upper and lower arm, at the same time guaranteeing very precise, comfortable and easily reproducible positioning. The head cushion is indexed, assuring a reproducible patient position throughout the total course of treatment.

The WingSTEP, especially adapted to fit through all common CT gantries to achieve precise planning, simplifies and expedites the radiation therapy procedure to increase time efficiency. In addition, even MRI or PET planning is possible since WingSTEP consists of high quality metal-free materials.

The WingSTEP can be used on all brands of couches available on the market for diagnostic and radiotherapy environment use, and is also indexable for enhanced reproducibility.

Facile positioning and precise repositioning
Reproducible, flexible arm and wrist support
Minimizes patient movements of arms and wrists
High comfort in breast and thorax positioning
Suitable for CT, MRI and PET planning
High quality metal-free materials
Easy fit through CT aperture
Easy handling and high quality
Maximum stability and durability
Integrated indexing system



WingSTEP



Pillow Standard blue
Head support cushion for WingSTEP, standard blue.



Pillow High blue
Head support cushion for WingSTEP, high blue.

WingSTEP – configurations



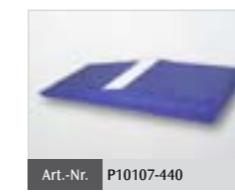
System WingSTEP Low

The WingSTEP system is designed for routine breast and thorax positioning with small CT apertures. It allows facile positioning and precise repositioning combined with outstanding comfort. The system includes the WingSTEP baseplate, a set of two wrist and two arm supports and the standard blue pillow. It can be reproducible attached to tabletops with the integrated Indexing Systems by using industry standard indexing bars.

Art.-Nr. P10107-740



Wrist Support
Flexible wrist support - attached to ball joint.



MCT Wedge
10° wedge for WingSTEP, covered with artificial leather.

WingSTEP simple steps



Select the appropriate pillow for the patient and place it on the WingSTEP.



Before the first use:
Click in the upper and lower arm support on the ball joint.



Set the WingSTEP system on the treatment table.



Position the patient's head on the head support. Place the patient's arms above the head into the upper and lower arm supports.



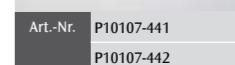
System WingSTEP High

The WingSTEP system is designed for routine breast and thorax positioning with big CT apertures (bore Ø > 70cm). It allows facile positioning and precise repositioning combined with outstanding comfort. The system includes the WingSTEP baseplate, a set of two wrist and two arm supports and the standard blue pillow. It can be reproducible attached to tabletops with the integrated Indexing Systems by using industry standard indexing bars.

Art.-Nr. P10107-741



Arm Support
Flexible arm support - attached to ball joint, small or large versions available.



PU Cover - Small (two pcs.)
PU Cover - Large (two pcs.)



PU Cover for Arm Support (two pcs.)
PU Cover for Wrist Support (two pcs.)

WingSTEP on MCT Wedge



Keeping still is a tough job - better take assistance



BreastSTEP

Patient positioning
= treatment accuracy

The BreastSTEP™ guarantees high comfort and facile positioning, assuring a reproducible patient position throughout the total course of treatment.

The BreastSTEP is designed to improve the accuracy of radiation therapy for the breast, thorax and upper abdomen areas in a patient friendly and non-invasive manner.

The BreastSTEP consists of a base plate and an upper plate made of a low-density foam core covered with thin layers of carbon fiber. It allows the beam to pass through the BreastSTEP from any angle with minimal attenuation.

Further features of the BreastSTEP are the indexed aperture for placing head supports the bottom stop and the adjustable height arm and wrist support, which allows a very facile customized patient positioning.

The BreastSTEP can be positioned at four different upper heights, 18 upper arm and eight lower arm options which comfortably positions and supports the arms above the head in supine position.

This progressive patient positioning system allows for comfortable positioning whenever accurate and reproducible patient positioning is an essential prerequisite for optimized therapy schedules.

The BreastSTEP can be used on all brands of couches available on the market for diagnostic and radiotherapy settings.

Facile positioning and precise repositioning

Minimizes patient movements of arms and wrists

High comfort in breast and thorax positioning

Reproducible arm and wrist support

4 different plate heights, in 5° steps

Arm support - height adjustment with 3 numbered positions

Arm support - rotatable in 6 numbered positions (15° steps)

Wrist support - height adjustment with 2 different positions

Wrist support - 4 numbered positions in 30° steps

Easy handling and high quality

Integrated indexing system



BreastSTEP



BreastSTEP – configuration

BreastSTEP – reusable components



System BreastSTEP Indexed

The BreastSTEP system is designed for routine breast and thorax positioning. It allows four different upper heights, 18 arm and eight wrist support options. It can be reproducible attached to tabletops with integrated Indexing Systems by using industry standard indexing bars.

Art.-Nr. P10107-720



Pillow Standard blue

Head support cushion for BreastSTEP, standard blue.



Pillow High blue

Head support cushion for BreastSTEP, high blue.

Art.-Nr. P10107-240

Art.-Nr. P10107-241



System BreastSTEP Conventional

The BreastSTEP system is designed for routine breast and thorax positioning. It allows four different upper heights, 18 arm and eight wrist support options. The BreastSTEP Conventional is for use on tabletops without indexing.

Art.-Nr. P10107-721



Slide Stop

Slide stop prevents patients from sliding down the board.



PU Cover

Art.-Nr. P10107-220
P10107-221

PU Cover for Arm Support (2 pcs.)
PU Cover for Wrist Support (2 pcs.)

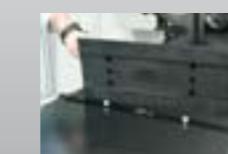
BreastSTEP simple steps



Set the BreastSTEP on the tabletop.



Select the appropriate position of the upper body from four different possibilities using the height adjustment system.



Select and adjust the appropriate position of the hips.



Select the appropriate position of the upper arms with different heights and angles of the arm support system.



Adjust the wrist support systems to the appropriate position.



Position the patient's head on the head support and place the patient's arms above the head into the arm and wrist support.

Hip and Pelvic Positioning and Immobilization

BodyFIX

BellySTEP

ProSTEP



Keeping still is a tough job - better take assistance



BodyFIX

Patient positioning
= treatment accuracy



BodyFIX BlueBAG hip setup

The BodyFIX BlueBAG Hip is available for abdominal and pelvis treatment applications including prostate and cervical tumors.



BodyFIX BlueBAG total body setup

BodyFIX BlueBAG Total Body cushion offers comfortable and reproducible patient positioning for total body positioning.

For further detailed information please refer to pages 58-67

Keeping still is a tough job - better take assistance



BellySTEP

Patient positioning
= treatment accuracy

The new BellySTEP™ foam based positioning system provides one of the most comfortable devices available on the market. The three different size belly inserts guarantee customized bowel displacement. This allows high precision repositioning in routine pelvic and belly positioning.

The BellySTEP is designed to reduce the irradiated small bowel volume of patients to facilitate a proper and comfortable prone position during pelvic area treatment.

The BellySTEP consists of a foam based baseplate covered with artificial leather, interchangeable belly inserts and the BellySTEP prone pillow. All BellySTEP parts are made of polyethylene foam which offers patients high comfort without compromising stability.

The BellySTEP allows for patient friendly, non-invasive positioning whenever accurate and reproducible patient positioning is an essential prerequisite for optimized therapy schedules.

It simplifies and expedites the radiation therapy procedure to increase time efficiency.

In addition, even MRI or PET planning is possible since the BellySTEP consists of high quality metal-free and non conductive materials.

Facile positioning and precise repositioning
Minimizes patient movements
High comfort in belly and pelvic positioning
Three different inserts
Prone position pillow
Foam based bellyboard
Consistent patient comfort
Suitable for CT, MRI and PET planning



BellySTEP



Art.-Nr. P10107-160

BellySTEP Base Plate

Made of polyethylene foam and covered with artificial leather for easy disinfection.



Art.-Nr. P10107-161

BellySTEP Insert A - Medium

Insert A is a polyethylene cushion that fits into the BellySTEP baseplate. Made for patients with a normal belly. Double skinfoam coated.



Art.-Nr. P10107-162

BellySTEP Insert B - Large

Insert B is a polyethylene cushion that fits into the BellySTEP baseplate. Made for patients with a big belly. Double skinfoam coated.



Art.-Nr. P10107-163

BellySTEP Insert C - Small

Insert C is a polyethylene cushion that fits into the BellySTEP baseplate. Made for patients with a small belly. Double skinfoam coated.

BellySTEP – configuration



System BellySTEP

The BellySTEP system is designed for the positioning of the belly and pelvis area. It includes the BellySTEP baseplate, three different interchangeable inserts and the prone position pillow.

Art.-Nr. P10107-760



Art.-Nr. P10107-164

BellySTEP Prone Position Pillow

The prone position pillow brings the patient's head into the same comfortable position.

BellySTEP with Prone Pillow



BellySTEP simple steps



Set the BellySTEP baseplate on the table top.



Select the appropriate belly insert and snap it into the baseplate.



Position the patient onto the BellySTEP, starting cranially and sliding into the caudal direction. The pubic bone must be positioned in the caudal aperture for an optimal reduction of the small bowel volume.



Position the patient head on the prone position head support. Place the crossed arms of the patient over the BellySTEP prone position pillow.

Keeping still is a tough job - better take assistance



ProSTEP

Patient positioning
= treatment accuracy

The ProSTEP™ is designed to improve the accuracy of the positioning and repositioning of the lower abdomen and extremities.

This system combines the advantages and the functionality of the FeetSTEP and the KneeSTEP, which are available in both ABS and carbon fiber quality.

By using both cushions together with the ProSTEP base plate, performance is enhanced, especially when treating in the pelvic area.

On the lower end of the base plate, the KneeSTEP can be adjusted and eventually combined with KneeSTEP elevation blocks to acquire the optimal height and comfort.

The mounted sliding bed for the FeetSTEP allows 17 different longitudinal (1.5 cm steps) and 10 different indexed angular adjustment positions (5° steps).

Because of the indexed positioning of the lower extremities, the ProSTEP guarantees high precision repositioning in the pelvic area, thus simplifying and expediting radiation therapy. The ProSTEP base plate is compatible with two pin indexing bars and can be used on all brands of couches available on the market for diagnostic and radiotherapy settings.

Facile positioning and precise repositioning

KneeSTEP in combination with elevation blocks

Mounted sliding bed adjusted with FeetSTEP

17 different indexed longitudinal adjustment positions (1.5 cm steps)

10 different indexed angular adjustment positions (5° steps)

High comfort in pelvic position

Carbon or hard plastic cushions

Comfortable patient positioning

Easy handling and high quality

Integrated indexing system



ProSTEP



ProSTEP – configurations



ProSTEP ABS

The ProSTEP ABS system is designed for the positioning of the lower abdomen and the extremities. Offering 17 longitudinal and 10 angular positions with integrated indexing system.

Art.-Nr. P10107-780



KneeSTEP

Knee support cushion, fast, easy and accurate knee positioning, flexible handles on both sides, with three integrated indexing positions. Available in carbon fiber or hard plastic.

Art.-Nr. P10107-181
P10107-180

KneeSTEP Carbon
KneeSTEP ABS



FeetSTEP

Feet support cushion, fast, easy and accurate feet positioning, flexible handles on both sides, with two integrated indexing positions. Available in carbon fiber or hard plastic.

Art.-Nr. P10107-183
P10107-182

FeetSTEP Carbon
FeetSTEP ABS



ProSTEP Carbon

The ProSTEP Carbon system is designed for the positioning of the lower abdomen and the extremities. Offering 17 longitudinal and 10 angular positions with integrated indexing system.

Art.-Nr. P10107-781

KneeSTEP Elevation Block ABS

Distance cushion for the elevation of the KneeSTEP in hard plastic, with integrated indexing system.

Art.-Nr. P10107-184

ProSTEP simple steps



Set the ProSTEP system on the table top.



Select the appropriate position of the feet with the sliding bed system of the FeetSTEP.



Choose the appropriate position of the legs with the sliding bed system of the FeetSTEP.



Select the appropriate position of the KneeSTEP. If necessary, use the elevation blocks for height adjustment.

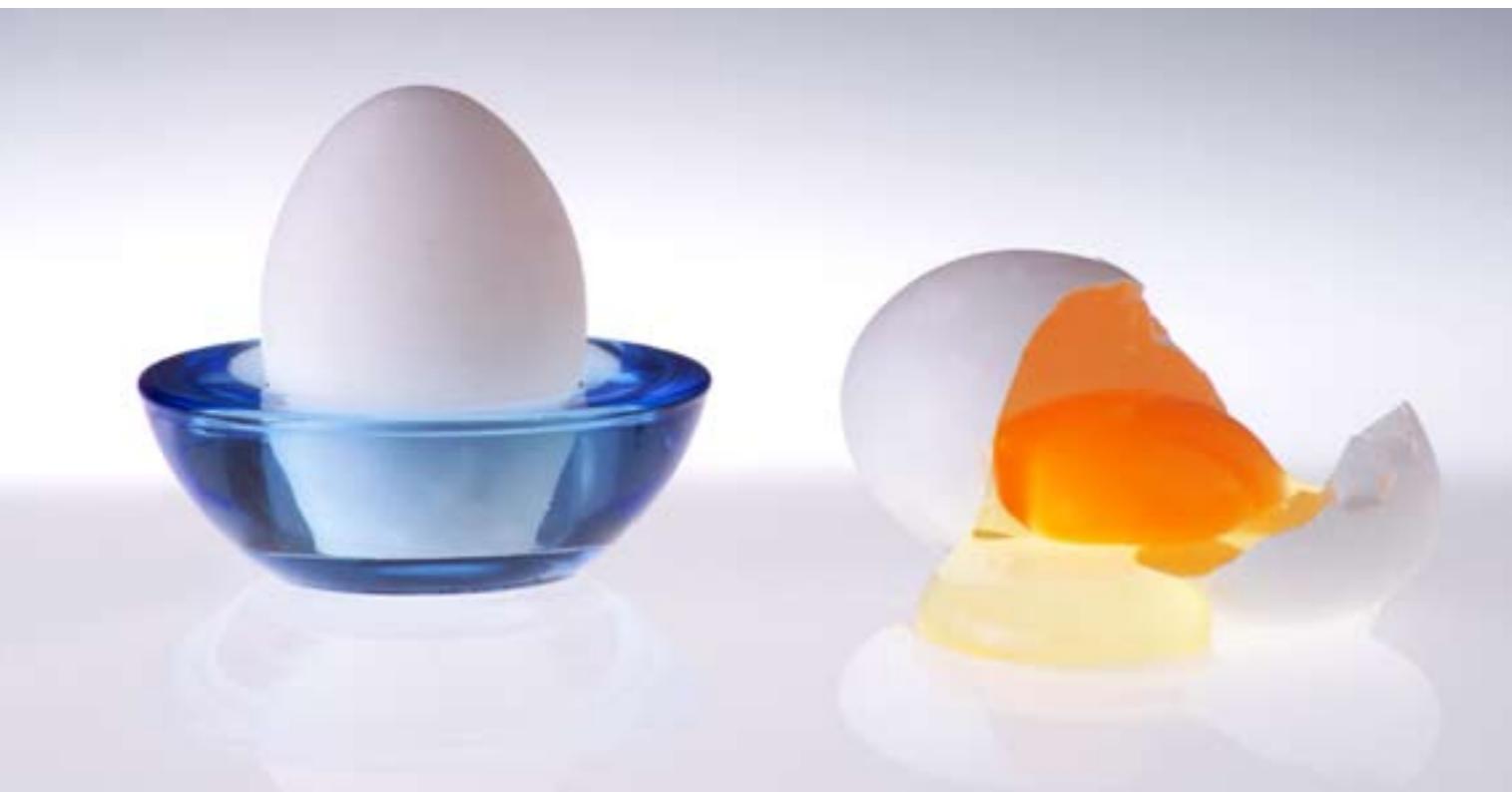


Position the patient onto the ProSTEP.

Miscellaneous Positioning Products

BlueBAG





BlueBAG

Make a good impression
of your patient

BlueBAG™ Vacuum Cushions offer one of the most advanced vacuum cushion technology available today.

BlueBAG Vacuum Cushions create a comfortable, stable and precise mold of the patient's position. The method is very simple: when a negative pressure of about 650 mbar is initially generated in the cushion, the BlueBAG retains its shape and ensures integrity of the patient mold for up to six weeks.

BlueBAG Vacuum Cushions facilitate reproducible positioning of the patient, from imaging to treatment and subsequent treatment fractions, while preserving patient comfort and improving the clinical workflow.

Manufactured entirely from radiotranslucent materials, BlueBAG Vacuum Cushions provide consistent artifactfree image clarity with minimal beam attenuation.

The combination of high quality coating materials with a special filling of polystyrene spheres ensures a highly conformal, patient-specific mold.

Specially coated nylon material enables smooth mold definition, comfortable patient positioning and ease of cleaning. All materials are engineered to resist radiation degradation in the clinical environment, providing long life expectancy.

BlueBAG Vacuum Cushions are available for a range of clinical setups and indications such as head and neck, thorax, hip and total body.



Accurate, non-invasive patient positioning
Patient mold integrity for up to six weeks
Precise, passive patient positioning
Flexible and reliable
Easy to clean, reusable and environmentally friendly
Easy to set up and handle
Adaptable to various clinical surroundings



BlueBAG Vacuum Pump

This high quality vacuum pump is a mandatory component of the BlueBAG system, which provides over 650-mbar vacuum, thus ensuring long lasting integrity of the patient's mold.

Art.-Nr.	P10104-001	BlueBAG Vacuum Pump 115V
	P10104-002	BlueBAG Vacuum Pump 230V
	P10104-023	BlueBAG Vacuum Pump 100V

BlueBAG Cleaning Fluid

The BlueBAG Cleaning Fluid is a disinfectant available for use on BlueBAGs.

Art.-Nr. P10104-006



BlueBAG Vacuum Cushion for Breast and Thorax

For breast treatment, one or both arms are usually placed sideways with the hands located under the head. The BlueBAG Thorax is specially made for various treatment applications including breast, lung or abdominal tumors.



BlueBAG Vacuum Cushion for Hip

The BlueBAG Hip molds the patient's body from above the hip down to the feet. Different sizes are available for smaller or larger patients. The BlueBAG Hip is specially made for various treatment applications including prostate or ovarian tumors.



BlueBAG Vacuum Cushion for Total Body

The BlueBAG Total Body molds the patient from the head down to the feet. The BlueBAG Total Body is specially made for various abdominal and pelvis treatment applications including prostate or ovarian tumors.

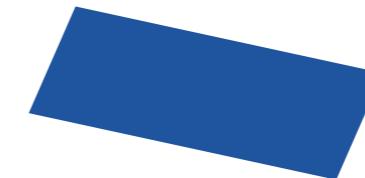


BlueBAG – reusable components



BlueBAG rectangular shape

P10104-111	BlueBAG Rectangular 250x350mm/2L
P10104-113	BlueBAG Rectangular 180x280mm/0,9L
P10104-114	BlueBAG Rectangular 250x500mm/2,25L
P10104-118	BlueBAG Rectangular 300x350mm/4,5L
P10104-119	BlueBAG Rectangular 300x500mm/3L
P10104-122	BlueBAG Rectangular 400x800mm/15L
P10104-125	BlueBAG Rectangular 500x700mm/15L
P10104-129	BlueBAG Rectangular 650x700mm/20L
P10104-130	BlueBAG Rectangular 650x1000mm/30L
P10104-132	BlueBAG Rectangular 650x1500mm/75L
P10104-135	BlueBAG Rectangular 700x1000mm/35L
P10104-137	BlueBAG Rectangular 1000x1000mm/45L
P10104-139	BlueBAG Rectangular 850x1000mm/30L
P10104-143	BlueBAG Rectangular 1000x1500mm/80L
P10104-147	BlueBAG Rectangular 1000x2000mm/120L
P10104-156	BlueBAG Rectangular 1000x1500mm/30L
P10104-159	BlueBAG Rectangular 1000x2300mm/80L



BlueBAG special shapes

P10104-500	BlueBAG Pentagon-Shape 1000x1300mm/45L
P10104-501	BlueBAG T-Shape 650x650mm/7L
P10104-505	BlueBAG T-Shape 1000x1300mm/50L
P10104-506	BlueBAG H-Shape 900x1100mm/31L
P10104-511	BlueBAG T-Shape 1000x1300mm/40L

BlueBAG for Elekta Stereotactic Bodyframe

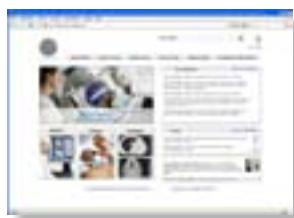
P10104-320	BlueBAG Rectangular 800x1250mm/40L
P10104-322	BlueBAG Rectangular 800x1250mm/25L
P10104-600	BlueBAG T-Shape 1065x1423mm/46L
P10104-603	BlueBAG T-Shape 1065x1423mm/52L



I want to learn more about the products

Please contact your local sales representative or use the following means of contact

web



phone

Customers in the USA & Canada:

+1 800 418 0392

fax

Customers in the USA & Canada:

+1 770 300 9779

email

info@elekta.com

Customers outside North America:

www.elekta.com

+49 8232 9692 0

Customers outside North America:

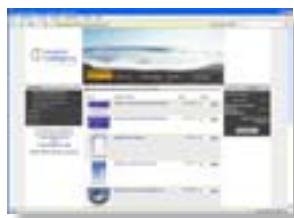
+49 8232 9692 800



I want to buy products

Please contact your local sales representative or use the following means of contact

webshop



phone

Customers in the USA & Canada:

+1 800 418 0392

fax

Customers in the USA & Canada:

+1 770 300 9779

email

sales@elekta.com

Customers outside North America:

www.elekta.com/shop

+49 8232 9692 0

Customers outside North America:

+49 8232 9692 800



I want to view the latest version of this catalog

**Please refer to www.elekta.com to view the latest
zoomable PDF version of this catalog.**



Fighting serious disease

www.elekta.com

Corporate Head Office, Stockholm, Sweden Tel: +46 8 587 254 00 Fax: +46 8 587 255 00 info@elekta.com

Regional Head Offices for Sales, Marketing & Services

North America

Atlanta, GA
Tel: +1 770 300 9725
Fax: +1 770 448 6338
info.america@elekta.com

Europe, South & Central America,

Africa, Middle East & India
Tel: +44 1293 654068
Fax: +44 1293 654665
info.europe@elekta.com

Japan,

Kobe
Tel: +81 78 241 7100
Fax: +81 78 271 7823
info.japan@elekta.com

China,

Beijing
Tel: +86 10 8012 5012
Fax: +86 10 8012 5000
info.china@elekta.com

Asia Pacific,

Hong Kong, SAR China
Tel: +852 2891 2208
Fax: +852 2575 7133
info.asia@elekta.com